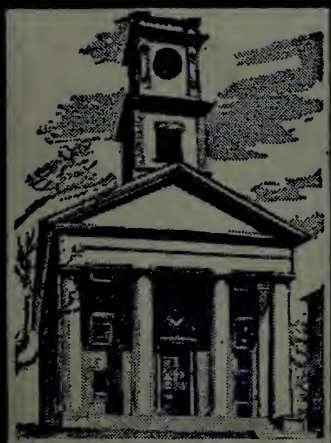


VOLUME 55

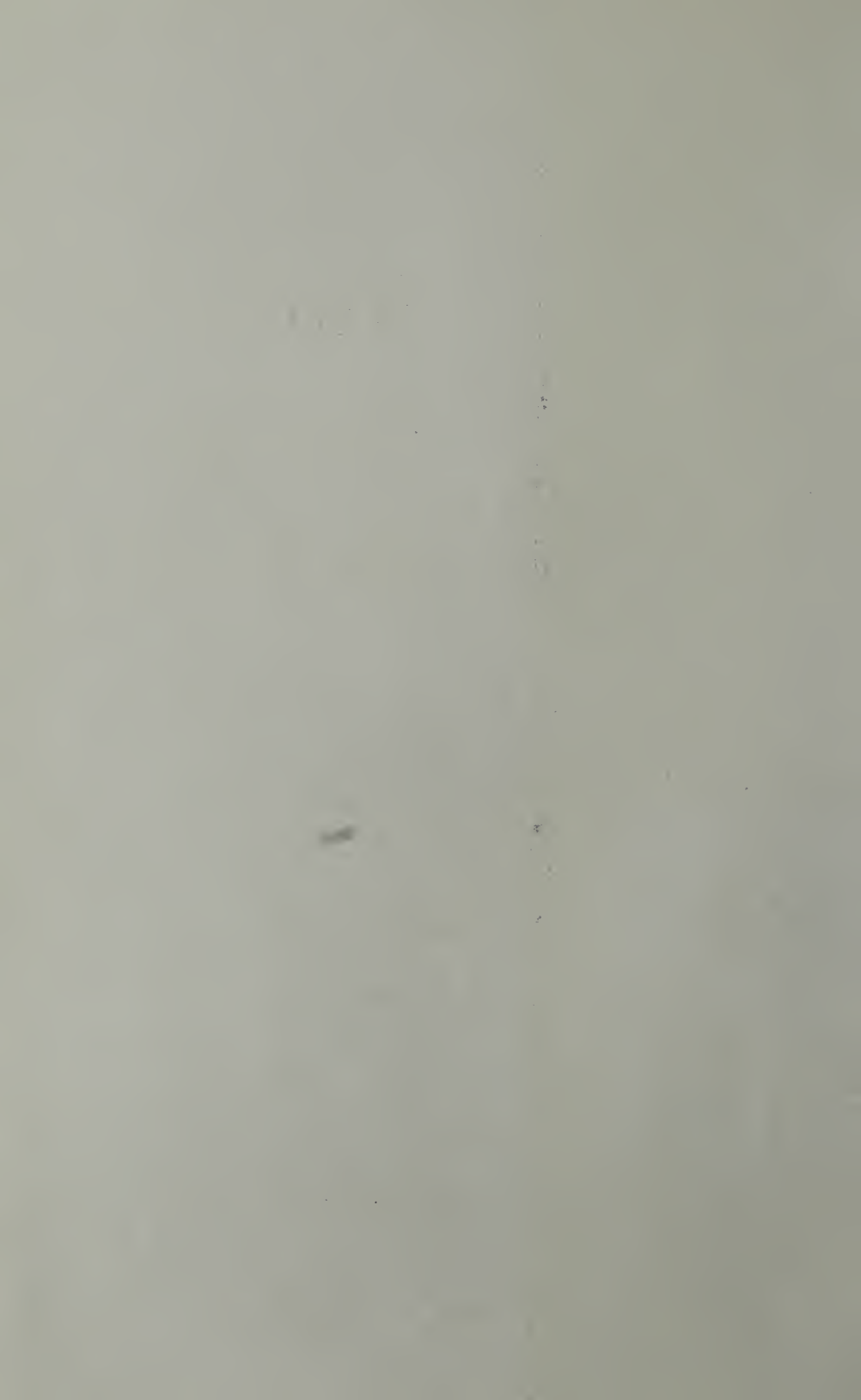
NUMBER 1

OCTOBER 1965

Amherst College Bulletin



CATALOG 1965—1966



Amherst College Bulletin



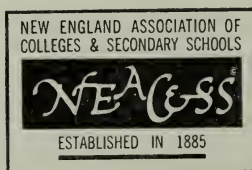
CATALOG 1965-1966

VOLUME 55

OCTOBER 1965

NUMBER 1

This is Amherst, an illustrated booklet describing life at Amherst College, and *Costs and Financial Aid at Amherst* are available on request from the Dean of Admission.



AMHERST COLLEGE BULLETIN

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VOLUME 55

OCTOBER, 1965

NUMBER 1

Contents

CALENDAR	4
COLLEGE CALENDAR	5
THE CORPORATION	6
FACULTY	8
OFFICERS OF ADMINISTRATION	20
AMHERST COLLEGE	26
FOUR-COLLEGE COOPERATION	29
THE FOLGER SHAKESPEARE LIBRARY	30
DOSHISHA UNIVERSITY	31
I. GENERAL INFORMATION	33
Admission	35
Regulations	39
Tuition and Fees	43
Financial Aid	45
Degree Requirements	48
Faculty Statement on Intellectual Responsibility	54
II. COURSES OF INSTRUCTION	57
Course Descriptions by Departments	59
III. LECTURESHIPS, HONORS, FELLOWSHIPS, PRIZES AND AWARDS	143
Lectureships	145
Honors	146
Fellowships	149
Prizes and Awards	155
Degrees Conferred, 1962 and 1963	167
IV. ENROLLMENT	177
V. THE ALUMNI ASSOCIATIONS	207
VI. APPENDIX	219
INDEX	229

1965

JULY						
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1967

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College Calendar

Sept. 15 *Wednesday*, 8:00 a.m.
 Oct. 23 *Saturday* (a holiday)
 Nov. 13 *Saturday* (a holiday)
 Nov. 23 *Tuesday*, 5:00 p.m.
 Nov. 29 *Monday*, 8:00 a.m.
 Dec. 18 *Saturday*, 11:50 a.m.

Jan. 3 *Monday*
 Jan. 5 *Wednesday* }
 through
 Jan. 11 *Tuesday* }
 Jan. 13 *Thursday* }
 through
 Jan. 19 *Wednesday* }
 Jan. 24 *Monday*
 Mar. 18 *Friday*
 Apr. 4 *Monday*
 May 7 *Saturday*
 May 14 *Saturday*, 11:50 a.m.
 May 16 *Monday* }
 through
 May 19 *Thursday* }
 May 20 *Friday* }
 through
 May 26 *Thursday* }
 June 3 *Friday*
 Sept. 14 *Wednesday*, 8:00 a.m.
 Oct. 22 *Saturday* (a holiday)
 Nov. 12 *Saturday* (a holiday)
 Nov. 22 *Tuesday*, 5:00 p.m.
 Nov. 28 *Monday*, 8:00 a.m.
 Dec. 17 *Saturday*, 11:50 a.m.

Jan. 2 *Monday*
 Jan. 4 *Wednesday* }
 through
 Jan. 10 *Tuesday* }
 Jan. 12 *Thursday* }
 through
 Jan. 18 *Wednesday* }
 Jan. 23 *Monday*
 Mar. 17 *Friday*, 5:00 p.m.
 Apr. 3 *Monday*, 8:00 a.m.
 May 6 *Saturday*
 May 13 *Saturday*, 11:50 a.m.
 May 15 *Monday* }
 through
 May 18 *Thursday* }
 May 19 *Friday* }
 through
 May 25 *Thursday* }
 June 2 *Friday*

1965

Beginning of Classes
 Wesleyan Football Game
 Williams Football Game at Williamstown
 Beginning of Thanksgiving Recess
 End of Thanksgiving Recess
 Beginning of Christmas Recess

1966

College Facilities Open

One Week of Classes

First Semester Examination Period

Beginning of Second Semester
 Spring Vacation Begins
 Spring Vacation Ends
 Dance Holiday
 End of classes

Study Period

Second Semester Examination Period

Commencement
 Beginning of Classes
 Wesleyan Football Game at Middletown
 Williams Football Game
 Beginning of Thanksgiving Recess
 End of Thanksgiving Recess
 Beginning of Christmas Recess

1967

College Facilities Open

One Week of Classes

First Semester Examination Period

Beginning of Second Semester
 Spring Vacation Begins
 Spring Vacation Ends
 Dance Holiday
 End of Classes

Study Period

Second Semester Examination Period

Commencement

The Corporation

JOHN JAY McCLOY, LL.B.

Chairman of the Corporation

New York, N. Y.

CALVIN HASTINGS PLIMPTON, M.D., D.M.S.

President of the College

Amherst, Mass.

FRANK LEAROYD BOYDEN, B.A.

HENRY SELDEN KINGMAN, B.A.

FRANCIS TAYLOR PEARSONS PLIMPTON, LL.B.

JULIUS SEELYE BIXLER, PH.D.

KENDALL BUSH DEBEVOISE, LL.B.

WALTER GELLHORN, LL.B.

OLIVER BOUTWELL MERRILL, LL.B.

JOHN ANTHONY HILL, LL.B.

HARRY WILLIAM KNIGHT, M.B.A.

*FREDERIC MURRAY HADLEY, B.A.

*ALFRED FRIENDLY, B.A.

WILLIAM HENRY HASTIE, S.J.D.

*EVERETT MILTON HICKS, M.B.A.

*WALTER ORR ROBERTS, PH.D.

*GEORGE LESLIE CADIGAN, D.D.

Deerfield, Mass.

Minneapolis, Minn.

New York, N. Y.

Jaffrey, N. H.

New York, N. Y.

New York, N. Y.

New York, N. Y.

New York, N. Y.

Darien, Conn.

Indianapolis, Ind.

Washington, D. C.

Philadelphia, Pa.

Worcester, Mass.

Boulder, Colo.

St. Louis, Mo.

JAMES ALFRED GUEST, LL.B.

Secretary of the Corporation

Amherst, Mass.

TRUSTEES EMERITI

ROBERT WASHBURN MAYNARD, LL.B.

ARTHUR LEE KINSOLVING, B.D.

LEWIS WILLIAMS DOUGLAS, B.A.

EUSTACE SELIGMAN, LL.B.

Boston, Mass.

New York, N. Y.

Phoenix, Ariz.

New York, N. Y.

**The terms of the Alumni Trustees expire as follows: FREDERIC MURRAY HADLEY, 1966; ALFRED FRIENDLY, 1967; WILLIAM HENRY HASTIE, 1968; EVERETT MILTON HICKS, 1969; WALTER ORR ROBERTS, 1970; GEORGE LESLIE CADIGAN, 1971.*

Committees of the Corporation*

The Chairman of the Corporation and the President of the College are members, *ex officio*, of all committees.

Executive Committee: Messrs. Bixler, DeBevoise, Friendly, Gellhorn, Hadley, Hicks, Hill, Kingman (Chairman), Merrill, Plimpton.

Budget and Finance Committee: Messrs. DeBevoise, Friendly, Hadley, Hicks, Hill (Chairman), Kingman, Merrill, Seligman.

Investment Committee: Messrs. Hadley, Hicks, Hill, Kingman, Knight, Merrill (Chairman), Plimpton.

Instruction Committee: Messrs. Bixler, Boyden, Cadigan, DeBevoise, Friendly, Gellhorn, Hastie, Plimpton (Chairman), Roberts, Seligman.

Buildings and Grounds Committee: Messrs. Bixler, Boyden, DeBevoise (Chairman), Hadley, Hastie, Hicks, Hill, Kingman, Merrill, Seligman.

Honorary Degrees Committee: Messrs. Bixler (Chairman), Boyden, Cadigan, Friendly, Gellhorn, Hastie, Plimpton, Roberts, Seligman.

Folger Shakespeare Library Committee: Messrs. Bixler, Friendly (Chairman), Hastie, Plimpton, Roberts, Seligman.

Committee on Fraternities: Messrs. Bixler, Cadigan, DeBevoise, Gellhorn (Chairman), Hastie, Knight, Merrill.

Compensation Committee: Messrs. Gellhorn, Hadley (Chairman), Hill, Kingman, Knight, Plimpton, Roberts, Seligman.

Committee on Future Development: Messrs. DeBevoise, Gellhorn, Hicks (Chairman), Hill, Knight, Merrill, Seligman.

* The committee listings are preliminary and will be voted finally at the Autumn 1965 meeting.

Faculty

- CALVIN HASTINGS PLIMPTON *President of the College*
 B.A. (1939) Amherst College; M.D. (1943) M.A. (1947) Harvard University; MED. SC.D. (1951) Columbia University; LL.D. (1960) Williams College; LL.D. (1961) Wesleyan University; SC.D. (1962) Rockford College; LL.D. (1962) Doshisha University; L.H.D. (1962) University of Massachusetts; SC.D. (1963) Saint Mary's College; LL.D. (1963) St. Lawrence University; LITT.D. (1965) American International College.
- CHARLES SCOTT PORTER *Dean of the College*
 B.A. (1919) Amherst College; M.A. (1922) Clark University; L.H.D. (1956) Amherst College.
- EUGENE SMITH WILSON *Dean of Admission*
 B.A. (1929) Amherst College.
- WILLIAM LAMSON SWARTZBAUGH *Associate Dean*
 B.A. (1944) Dartmouth College; B.D. (1949) Yale University; M.A. (1952), PH.D. (1957) Ohio State University.
- CORTLAND VAN RENSSELAER HALSEY *Associate Dean of Admission*
 B.A. (1950) Rutgers University; M.A. (1952) University of Rhode Island; PH.D. (1956) University of Pennsylvania.
- NATHANIEL REED *Assistant Dean*
 B.A. (1955) PH.D. (1964) Yale University.
- DONALD McMILLAN ROUTH *Assistant Dean*
 B.A. (1958) Amherst College; M.A.T. (1960) Johns Hopkins University.
- ROBERT FREEMAN GROSE *Registrar*
 B.A. (1944); M.S. (1947), PH.D. (1953) Yale University.

- CHARLES WOOLSEY COLE *President, Emeritus*
 B.A. (1927) Amherst College; A.M. (1928), PH.D. (1931) Columbia University; L.H.D. (1942) Amherst College, (1951) University of Massachusetts, (1953) Trinity College; LL.D. (1946) Wagner College, (1946) Wesleyan University, (1946) Williams College, (1952) American International College, (1953) Doshisha University, (1954) Columbia University, (1960) Amherst College; LITT.D. (1948) Hamilton College; SC.D. (1948) Clarkson College.
- PAUL WITHERSPOON ECKLEY *Professor of Physical Education, Emeritus*
 B.A. (1917) Cornell University; M.A. (hon. 1949) Amherst College.
- GEORGE ROLFE HUMPHRIES *Lecturer in English, Emeritus*
 B.A. (1915), M.A. (hon. 1950) Amherst College.
- MICHAEL JOSEPH KENNEDY *Associate Professor of Physical Education, Emeritus*
- STERLING POWER LAMPRECHT *Emily C. Jordan Folger Professor of Philosophy, Emeritus*
 B.A. (1911) Williams College; M.A. (1912) Harvard University; B.D. (1915) Union Theological Seminary; PH.D. (1918) Columbia University; M.A. (hon. 1934) Amherst College; LITT.D. (1957) Williams College

- KARL LOEWENSTEIN *William Nelson Cromwell Professor of Jurisprudence and Political Science, Emeritus*
B.L. (1914), D.C.L. (1919) University of Munich; M.A. (hon. 1940) Amherst College.
- ALLISON WILSON MARSH *Professor of Hygiene and Physical Education, Emeritus*
B.A. (1913) Amherst College; M.ED. (1925) Harvard University; L.H.D. (1963) Amherst College.
- HAROLD HENRY PLOUGH *Edward S. Harkness Professor of Biology, Emeritus*
B.A. (1913) Amherst College; M.A. (1915), PH.D. (1917) Columbia University; sc.D. (1963) Amherst College.
- EDWARD DWIGHT SALMON *Winkley Professor of History, Emeritus*
B.S. (1917) University of Rochester; M.A. (1923), PH.D. (1934) Harvard University; M.A. (hon. 1938) Amherst College.
- OSCAR EMILE SCHOTTÉ *Rufus Tyler Lincoln Professor of Biology, Emeritus*
B.S. (1920), sc.D. (1925), University of Geneva; M.A. (hon. 1944) Amherst College.
- GEORGE ROGERS TAYLOR *George D. Olds Professor of Economics, Emeritus*
PH.B. (1921), PH.D., (1929) University of Chicago; M.A. (hon. 1939) Amherst College.
- WILLARD LONG THORP *Professor of Economics, Emeritus*
B.A. (1920) Amherst College; M.A. (1921) University of Michigan; PH.D. (1924) Columbia University; LL.D. (1935) Marietta College, (1949) Amherst College, (1950) Albright College, (1960) University of Massachusetts, (1960) University of Michigan.
- CHARLES HANSEN TOLL *Professor of Philosophy and Psychology, Emeritus*
B.A. (1904) Hamilton College; M.A. (1905) Harvard University; PH.D. (1909) University of Freiburg; M.A. (hon. 1934) Amherst College.
- RALPH COPLESTONE WILLIAMS *Professor of French, Emeritus*
B.A. (1908), PH.D. (1917) The Johns Hopkins University; M.A. (hon. 1934) Amherst College.

The Faculty is Arranged Alphabetically in Rank

- ARCHIBALD MACLEISH *Simpson Lecturer in English*
B.A. (1915) Yale University; LL.B. (1919) Harvard University; M.A. (hon. 1932) Tufts College; LITT.D. (1938) Wesleyan University, (1938) Colby College, (1939) Yale University, (1941) University of Pennsylvania, (1946) University of Illinois, (1948) Washington University, (1954) Columbia University, (1955) Harvard University; L.H.D. (1940) Dartmouth College; D.C.L. (1941) Union College; D.H.L. (1942) Williams College; LL.D. (1941) Johns Hopkins University, (1943) University of California, (1948) Queens University, Ontario, (1956) Carleton College, (1963) Amherst College.
- HUGH GEORGE JEFFREY AITKEN *Professor of Economics*
B.A. (1943), M.A. (1947) St. Andrews University; M.A. (1948) University of Toronto; PH.D. (1951) Harvard University.

- ARNOLD BORIS ARONS *Professor of Physics*
M.E. (1937), M.S. (1940) Stevens Institute of Technology; PH.D. (1943)
Harvard University; M.A. (hon. 1953) Amherst College.
- GEORGE WILLIAM BAIN *Samuel A. Hitchcock Professor of Mineralogy and Geology*
B.S.C. (1921), M.S.C. (1923) McGill University; M.A. (1923), PH.D. (1927)
Columbia University; M.A. (hon. 1941) Amherst College.
- THEODORE BAIRD *Samuel Williston Professor of English*
B.A. (1921) Hobart College; M.A. (1922), PH.D. (1929) Harvard University;
M.A. (hon. 1939) Amherst College.
- WILLIAM JOSEPH BARBER *Visiting Professor of Economics*
A.B. (1949) Harvard College; B.A. (1951), M.A. (1955), PH.D. (1957),
Oxford University.
- RALPH ALONZO BEEBE *Massachusetts Professor of Chemistry*
B.A. (1920) Amherst College; PH.D. (1923) Princeton University.
- *BRUCE BUZZELL BENSON *Professor of Physics*
B.A. (1943) Amherst College; M.S. (1945), PH.D. (1947) Yale University.
- ROBERT CHARLES BIRNEY *Professor of Psychology*
B.A. (1952) Wesleyan University; M.A. (1953), PH.D. (1955) University
of Michigan; M.A. (hon. 1965) Amherst College.
- WALTER LEROY BOUGHTON *Stanley King Professor of Dramatic Arts
and Director of Kirby Memorial Theater*
B.A. (1941), M.A. (1949) Brown University; M.F.A. (1951) Yale University;
M.A. (hon. 1964) Amherst College.
- ROBERT HERMANN BREUSCH *Professor of Mathematics*
PH.D. (1932) University of Freiburg; M.A. (hon. 1954) Amherst College.
- BAILEY LEFEVRE BROWN *Professor of Mathematics*
B.A. (1924) Amherst College; M.A. (1925) Princeton University.
- STEPHEN BROWN *College Physician & Parmly Billings Professor of Hygiene*
B.A. (1928) Amherst College; M.D. (1932) Yale University.
- JEFFREY JAMES CARRE *Professor of Romance Languages*
B.A. (1940) Bowdoin College; PH.D. (1950) Columbia; M.A. (hon. 1964)
Amherst College.
- ARNOLD COLLERY *Professor of Economics*
B.A. (1950) University of Buffalo; PH.D. (1958) Princeton University;
M.A. (hon. 1964) Amherst College.
- †HENRY STEELE COMMAGER *Winthrop H. Smith Professor of American History*
PH.B. (1923), M.A. (1924), PH.D. (1928) University of Chicago; M.A.
(hon. 1947) Cambridge University, (hon. 1952) Oxford University,
(hon. 1957) Amherst College; LITT.D. (1958) Washington College,
(1958) Ohio Wesleyan University, (1959) Monmouth College; ED.D.
(1960) Rhode Island College of Education; LL.D. (1960) Brandeis
University, (1960) Michigan State University, (1962) Franklin and
Marshall College; D.LITT. (1962) Cambridge University; L.H.D. (1962)
University of Hartford, (1963) University of Puget Sound; Honorary
Fellow, Peterhouse; D.C.L. (1964) Alfred University.

* Absent on leave 1965-66.

† Absent on leave first semester 1965-66.

- HASKELL ROBERT COPLIN *Professor of Psychology and Student Counselor*
B.A. (1947), M.A. (1948), PH.D. (1951) University of Michigan; M.A. (hon. 1957) Amherst College.
- GEORGE ARMOUR CRAIG *Professor of English*
B.A. (1937) Amherst College; M.A. (1938), PH.D. (1947) Harvard University.
- BENJAMIN HAILE DEMOTT *Professor of English*
B.A. (1949) George Washington University; M.A. (1950), PH.D. (1953) Harvard University; M.A. (hon. 1960) Amherst College.
- *JOSEPH EPSTEIN *Professor of Philosophy*
B.S.S. (1939) City College of New York; PH.D. (1951) Columbia University; M.A. (hon. 1961) Amherst College.
- RICHARD MARTIN FOOSE *Professor of Geology*
B.S. (1937) Franklin and Marshall College; M.S. (1939) Northwestern University; PH.D. (1942) Johns Hopkins University; M.A. (hon. 1964) Amherst College.
- REGINALD FOSTER FRENCH *Professor of Romance Languages*
B.A. (1927) Dartmouth College; M.A. (1928), PH.D. (1934), Harvard University; M.A. (hon. 1947) Amherst College.
- GEORGE BANKS FUNNELL *Professor of French*
B.A. (1924) Amherst College; M.A. (1928) Harvard University.
- ALFRED FREEMAN HAVIGHURST *Professor of History*
B.A. (1925) Ohio Wesleyan University; M.A. (1928) University of Chicago; PH.D. (1936) Harvard University; M.A. (hon. 1955) Amherst College.
- ERNEST ALFRED JOHNSON *Professor of Romance Languages*
B.A. Amherst College (1939); M.A. (1940) University of Chicago; M.A. (1941), PH.D. (1950) Harvard University.
- GAIL KENNEDY *Henry C. Folger Professor of Philosophy*
B.A. (1922) University of Minnesota; PH.D. (1928) Columbia University; M.A. (hon. 1940) Amherst College.
- WILLIAM ELMER KENNICK *Professor of Philosophy*
B.A. (1945) Oberlin College; PH.D. (1952) Cornell University; M.A. (hon. 1962) Amherst College.
- GEORGE WALLACE KIDDER *Stone Professor of Biology*
B.A. (1926) University of Oregon; M.A. (1929) University of California; PH.D. (1932) Columbia University; M.A. (hon. 1949) Amherst College; SC.D. (hon. 1950) Wesleyan University.
- THEODORE KOESTER *Professor of Psychology*
B.A. (1936) Wesleyan University; B.D. (1942) Hartford Theological Seminary; PH.D. (1945) Columbia University; M.A. (hon. 1950) Amherst College.
- EARL LATHAM *Joseph B. Eastman Professor of Political Science*
B.A. (1931), PH.D. (1939) Harvard University; M.A. (hon. 1949) Amherst College.

* Absent on leave 1965-66.

- MORRIS LAZEROWITZ *Visiting Professor of Philosophy*
B.A. (1933), PH.D. (1936) University of Michigan.
- ALBERT PAUL LINNELL *Professor of Astronomy*
B.A. (1943) College of Wooster; PH.D. (1950) Harvard University; M.A. (hon. 1962) Amherst College.
- ALBERT ERNEST LUMLEY *Professor of Physical Education*
B.S. (1925) Eastern Michigan College; M.A. (1938) Oberlin College; M.A. (hon. 1947) Amherst College.
- *LEO MARX *Professor of English and American Studies*
B.S. (1941), PH.D. (1949) Harvard University; M.A. (hon. 1959) Amherst College.
- BENJAMIN FRANKLIN McCABE *Professor of Physical Education*
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- RALPH CLELAND MCGOUN, JR. *Professor of Dramatic Arts*
B.A. (1927), M.A. (1929) Amherst College.
- NEWTON FELCH MCKEON *Professor of English & Director of Robert Frost Library*
B.A. (1926) Amherst College; M.A. (hon. 1948) Amherst College.
- HENRY GEORGE MISHKIN *Professor of Music*
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- JOHN ANDREW MOORE *Class of 1880 Professor of the Classics*
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- CHARLES HILL MORGAN *Professor of Fine Arts on the William R. Mead Foundation*
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- *F. BRUCE MORGAN *Professor of Religion*
B.S. (1939) Maryville College; TH.B. (1942), TH.D. (1958) Princeton Theological Seminary; M.A. (hon. 1963) Amherst College.
- VINCENT MORGAN *Professor of Music*
B.MUS. (1932), M.MUS. (1934) New England Conservatory of Music; M.A. (hon. 1946) Amherst College.
- JAMES RODNEY NELSON *Charles E. Merrill Professor of Economics*
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- MURRAY BISBEE PEPPARD *Professor of German*
B.A. (1939) Amherst College; M.A. (1942), PH.D. (1948) Yale University.
- BENJAMIN LAWRENCE REID *Visiting Professor of English*
B.A. (1943), University of Louisville; M.A. (1950) Columbia University; PH.D. (1957) University of Virginia.
- ELLSWORTH ELLIOTT RICHARDSON *Professor of Physical Education*
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- CHARLES ENSIGN ROGERS *Professor of Fine Arts and Dramatic Arts*
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- †STEVEN MARTIN ROSTAS *Professor of Physical Education*
B.A. (1921) Br. Eötvös, Budapest; M.ED. (1942) University of Massachusetts; M.A. (hon. 1961) Amherst College.
- EDWIN CHARLES ROZWENC *Dwight W. Morrow Professor of American History*
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- ANTHONY SCENNA *Professor of German*
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- THEODORE SOLLER *Professor of Physics*
B.A. (1922) Oberlin College; M.A. (1924), PH.D. (1931) University of Wisconsin M.A. (hon. 1946) Amherst College.
- ATHERTON HALL SPRAGUE *Professor of Mathematics*
B.A. (1920) Amherst College; M.A. (1923), PH.D. (1941) Princeton University.
- DUDLEY HERBERT TOWNE *Professor of Physics*
B.S. (1947) Yale University; M.A. (1949), PH.D. (1953) Harvard University; M.A. (hon. 1964) Amherst College.
- FRANK ANDERSON TRAPP *Professor of Fine Arts*
B.A. (1943) Carnegie Institute of Technology; M.A. (1947) University of Pittsburgh; PH.D. (1951) Harvard University; M.A. (hon. 1963) Amherst College.
- FREDERICK KING TURGEON *Professor of French*
B.A. (1923) Bowdoin College; M.A. (1924), PH.D. (1930) Harvard University; M.A. (hon. 1940) Amherst College.
- JOHN WILLIAM WARD *Professor of History and American Studies*
A.B. (1947) Harvard College; M.A. (1950), PH.D. (1953) University of Minnesota.
- †COLSTON ESTEY WARNE *Professor of Economics*
B.A. (1920), M.A. (1921) Cornell University; PH.D. (1925) University of Chicago; M.A. (hon. 1942) Amherst College.
- ROBERT BYRON WHITNEY *George H. Corey Professor of Chemistry*
B.A. (1924), PH.D. (1927) University of Minnesota; M.A. (hon. 1944) Amherst College.
- ALFRED BURTON WILLCOX *Professor of Mathematics*
B.A. (1947), M.A. (1948), PH.D. (1953) Yale University; M.A. (hon. 1964) Amherst College.
- RICHARD EUGENE WILSON *Professor of Physical Education*
B.A. (1934), Midland College; B.P.E. (1937), M.ED. (1938) Springfield College; M.A. (hon. 1960) Amherst College.
- ALBERT ELMER WOOD *Professor of Biology*
B.S. (1930) Princeton University; M.A. (1932), PH.D. (1935) Columbia University; M.A. (hon. 1954) Amherst College.

† Absent on leave 1st semester 1965-66.

‡ Absent on leave 2nd semester 1965-66.

- HENRY THOMAS YOST, JR. *Professor of Biology*
B.A. (1947), PH.D. (1951) The Johns Hopkins University.
- *BENJAMIN MUNN ZIEGLER *Bertrand Snell Professor of Political Science*
B.A. (1928) New York University; LL.B. (1931), M.A. (1933), PH.D. (1935) Harvard University; M.A. (hon. 1952) Amherst College.
- *GERALD PATRICK BROPHY *Associate Professor of Geology*
B.A. (1951), M.A. (1953), PH.D. (1954) Columbia University.
- LINCOLN PIERSON BROWER *Associate Professor of Biology*
B.A. (1953) Princeton University; PH.D. (1957) Yale University.
- JOHN ARTHUR CAMERON *Associate Professor of English*
B.A. (1952), M.A. (1957), PH.D. (1963) Yale University; Diploma (1955) University of Edinburgh.
- WILLIAM CALVIN CANNON *Associate Professor of Spanish*
B.A. (1952) Baylor University; M.A. (1953), PH.D. (1958) Tulane University.
- PAUL A. CARTER *Visiting Associate Professor of Religion*
B.A. (1950) Wesleyan University; M.A. (1951), PH.D. (1954) Columbia University.
- OTIS CARY *Associate Professor on leave for service at Doshisha University and Director of Amherst House, Doshisha University*
B.A. (1946) Amherst College; M.A. (1951) Yale University.
- O(SCAR) DONALD CHRISMAN *Associate College Physician*
B.S. (1938), M.D. (1942) Harvard University.
- RICHARD JOHN CODY *Associate Professor of English*
B.A. (1952) University College; M.A. (1958), PH.D. (1961) University of Minnesota.
- *COLBY WILSON DEMPSEY *Associate Professor of Physics*
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- HENRY FREDERICK DUNBAR, JR. *Associate Professor of Physical Education*
B.A. (1944) Amherst College; M.A. (1949) Teachers College, Columbia University; PH.D. (1950) Columbia University.
- *ELMO GIORDANETTI *Associate Professor of Romance Languages*
B.A. (1951) Bowdoin College; M.A. (1954), PH.D. (1959) Princeton University.
- JOEL ETHAN GORDON *Associate Professor of Physics*
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- THEODORE PHINNEY GREENE *Associate Professor of History*
B.A. (1943) Amherst College; M.A. (1948) Columbia University.
- ROBERT FREEMAN GROSE *Associate Professor of Psychology and Registrar*
B.A. (1944), M.S. (1947), PH.D. (1953) Yale University.
- JOHN BURT HALSTED *Associate Professor of History*
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- *HUGH DODGE HAWKINS *Associate Professor of American Studies*
B.A. (1950) DePauw University; PH.D. (1954) Johns Hopkins University.
- WILLIAM WEBSTER HEATH *Associate Professor of English*
B.A. (1951) Amherst College; M.A. (1952) Columbia University; PH.D. (1956) University of Wisconsin.
- WILLIAM MICHAEL HEXTER *Associate Professor of Biology*
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- GEORGE ANTHONY KATEB *Associate Professor of Political Science*
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- HEINZ KÖHLER *Associate Professor of Economics*
B.A. (1956) Free University of Berlin; M.A. (1958), PH.D. (1961) University of Michigan.
- ALLEN KROPP *Associate Professor of Chemistry*
B.S. (1951) Queens College; PH.D. (1954) University of Utah.
- COOPER HAROLD LANGFORD, III *Associate Professor of Chemistry*
B.A. (1956) Harvard College; PH.D. (1960) Northwestern University.
- EDWARD RENTON LEADBETTER *Associate Professor of Biology*
B.S. (1955) Franklin and Marshall College; PH.D. (1959) University of Texas.
- WILL LYONS *Visiting Associate Professor of Economics*
B.S. (1939) Bucknell University; PH.D. (1963) Harvard University.
- LEWIS SEYMOUR MUDGE
Minister to the College & Associate Professor of Philosophy & Religion
B.A. (1951), B.D. (1955), PH.D. (1961) Princeton University; B.A. (1954), M.A. (1958) Oxford University.
- JAMES ELMORE OSTENDARP *Associate Professor of Physical Education*
B.S. (1952) Bucknell University; M.A. (1956) Columbia University.
- JOHN PEMBERTON, III *Associate Professor of Religion*
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- DONALD STEVENSON PITKIN *Associate Professor of Anthropology*
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- WILLIAM HARRISON PRITCHARD *Associate Professor of English*
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- ROBERT HORTON ROMER *Associate Professor of Physics*
B.A. (1952) Amherst College; PH.D. (1955) Princeton University.
- *CARL NELSON SCHMALZ, JR. *Associate Professor of Fine Arts*
B.A. (1948), M.A. (1949), PH.D. (1958) Harvard University.
- PAUL HAROLD SETON *Associate College Physician*
B.A. (1947) Harvard University; M.D. (1952) Yale University.
- MARC STAMM SILVER *Associate Professor of Chemistry*
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* Absent on leave 1965-66.

- DONALD OWEN WHITE *Associate Professor of German*
B.A. (1953), M.A. (1956), PH.D. (1963) Yale University.
- EARL WILLIAM ADAMS, JR. *Assistant Professor of Economics*
B.A. (1959) University of Michigan; PH.D. (1963) M.I.T.
- *PAUL JOSEPH ARCHAMBAULT *Assistant Professor of French*
B.A. (1958) Assumption College, PH.D. (1963) Yale University.
- DUANE W. BAILEY *Assistant Professor of Mathematics*
B.A. (1957) Washington State University; M.A. (1959), PH.D. (1961) University of Oregon.
- REED ST. CLAIR BROWNING *Assistant Professor of History*
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- DENNIS EUGENE BYNG *Visiting Assistant Professor of Fine Arts*
B.S. (1951), M.S. (1952) University of Wisconsin.
- FREDERIC LAWRENCE CHEYETTE *Assistant Professor of History*
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- HOWELL DRESCHER CHICKERING, JR. *Assistant Professor of English*
B.A. (1959) Dartmouth College; PH.D. (1965) Indiana University.
- ROBERT DUANE COTTRELL *Assistant Professor of Romance Languages*
B.S. (1957) Columbia University; PH.D. (1961) Yale University.
- PETER CZAP, JR. *Assistant Professor of History*
B.A. (1953) Rutgers University; PH.D. (1959) Cornell University.
- JAMES QUINCY DENTON *Assistant Professor of Mathematics*
B.S. (1951) California Institute of Technology; M.S. (1958), PH.D. (1962) University of Oregon.
- DAVID ALLEN DEPATIE *Assistant Professor of Physics*
B.A. (1956), M.S. (1958) University of Vermont; PH.D. (1964) Yale University.
- RICHARD DAVID FINK *Assistant Professor of Chemistry*
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- HAROLD FRUCHTBAUM *Assistant Professor of History of Science*
B.C.E. (1955) New York University; S.M. (1956) Rensselaer Polytechnic Institute; A.M. (1959), PH.D. (1964) Harvard University.
- RICHARD LEE GIRSCH *Assistant Professor of English*
B.A. (1957) University of Iowa; M.A. (1961) University of California.
- ALLEN GUTTMANN *Assistant Professor of English*
B.A. (1953) University of Florida; M.A. (1956) Columbia University; PH.D. (1961) University of Minnesota.
- *CHARLES ADAMS HALE *Assistant Professor of History*
B.A. (1951) Amherst College; M.A. (1952) University of Minnesota; PH.D. (1957) Columbia University.
- CORTLAND VAN RENSSELAER HALSEY, JR. *Assistant Professor of American Studies & Associate Dean of Admission*
B.A. (1950) Rutgers University; M.A. (1952) University of Rhode Island; PH.D. (1956) University of Pennsylvania.

- BRYCE MOYER HAND *Assistant Professor of Geology*
 B.A. (1958) Antioch College; M.S. (1962) University of Southern California; PH.D. (1965) Pennsylvania State University.
- GEORGE IVAR JUERGENS *Assistant Professor of American Studies*
 B.A. (1953), PH.D. (1965) Columbia University; B.A., M.A. (1956) Oxford University.
- ROBERT HARRY KOCH *Visiting Assistant Professor of Astronomy*
 B.A. (1951), M.A. (1955), PH.D. (1959) University of Pennsylvania.
- GILBERT WESTCOTT LAWALL *Assistant Professor of Classics*
 B.A. (1957) Oberlin College; PH.D. (1961) Yale University
- THOMAS FRANCIS MADER *Assistant Professor of Public Speaking*
 B.A. (1952) St. John's University; M.A. (1956) New York University.
- *PETER MARSHALL *Assistant Professor of Classics*
 B.A. (1954) University College of South Wales and Monmouthshire; B.A. (1956) Wadham College.
- DAVID RAYMOND MAYHEW *Visiting Assistant Professor of Political Science*
 B.A. (1958) Amherst College; PH.D. (1964) Harvard University.
- J(OHN) TRACY MEHR *Assistant Professor of Physical Education*
 A.B. (1950) Holy Cross College.]
- RAY A. MOORE *Assistant Professor of History*
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- RICHARD JUUL NOER *Assistant Professor of Physics*
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- ELLIOT MELVILLE OFFNER *Visiting Assistant Professor of Fine Arts*
 B.F.A. (1953), M.F.A. (1959) Yale University.
- ROSE RICHARDSON OLVER *Assistant Professor of Psychology*
 B.A. (1958) Swarthmore College; PH.D. (1962) Radcliffe College.
- *JOHN ANTHONY PETROPULOS *Assistant Professor of History*
 B.A. (1951) Yale University; PH.D. (1963) Harvard University.
- PHILLIPPE DANIEL RADLEY *Assistant Professor of Russian*
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- *JOHN RATTE *Assistant Professor of History*
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- L(ORENZO) WILLARD RICHARDS *Assistant Professor of Chemistry*
 B.S. (1954) California Institute of Technology; M.A. (1956), PH.D. (1960) Harvard University.
- DWIGHT MORROW SCANDRETT *Assistant Professor of Physical Education*
 B.A. (1954) Amherst College; M.A. (1958) University of Massachusetts.
- EDWARD JOSEPH SERUES *Assistant Professor of Physical Education*
 B.S. (1956) Boston University.
- S(TEPHEN) MICHAEL SIMPSON *Assistant Professor of Classics*
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- STANLEY SOBIESKI *Visiting Assistant Professor of Astronomy*
 B.S. (1959) Drexel Institute; M.S. (1961), PH.D. (1963) University of Pennsylvania.

* Absent on leave 1965-66.

- FRANCIS MICHAEL STIENON *Visiting Assistant Professor of Astronomy*
B.S. (1958) University of Michigan; M.A. (1960) Harvard University.
- WILLIAM EUGENE THURSTON *Assistant Professor of Physical Education*
B.S. (1957), M.S. (1962) University of Michigan.
- ROBERT CAMPBELL TOWNSEND *Assistant Professor of English*
B.A. (1957) Princeton University; B.A. (1959) Cambridge University;
PH.D. (1962) Harvard University.
- ROBERT FERTIG TREDWELL *Assistant Professor of Philosophy*
A.B. (1955) Oberlin College; PH.D. (1960) Yale University.
- HUGH WALLACE *Assistant Professor of Biology*
B.A. (1956), M.A. (1960), PH.D. (1962) Oxford University.
- STEPHEN MILLER ADLER *Visiting Instructor of Astronomy*
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- ROBERT BRUCE ARCHIBALD *Instructor in Music*
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- WAYNE LEE BILLINGS *Instructor in English*
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- JOHN RANDOLPH DINKELSPIEL *Instructor in Political Science*
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- JOHN STEPHEN GUARNASCHELLI *Instructor in History*
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- EVERETT F. HARRISON *Instructor in German*
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- ROBERT WEBBER HILL, JR. *Instructor in English*
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- ROGER N. JOHNSON *Instructor in Psychology*
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- KURT LOUIS JUNG *Instructor in French*
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- FRANK LEROY KIDNER, JR. *Instructor in History*
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- ALFRED R. KUHN *Instructor in Russian*
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- NORMAN GORDON LEVIN, JR. *Instructor in American Studies*
B.A. (1956) Yale University.
- BRUCE GORDON MCINNES *Instructor in Music*
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- NATHANIEL REED *Instructor in American Studies and Assistant Dean*
B.A. (1955), PH.D. (1964) Yale University.
- MICHAEL FRANCIS SHERIDAN *Instructor in Geology*
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- DAVID ROBINSON SOFIELD *Instructor in English*
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- RICHARD G. VAN PETERSILGE *Instructor in Physical Education*

Associate

PHILIP TRUMAN IVES, PH.D.

Biology

Research Associates

LENETTE R. ATKINSON, PH.D.

Biology

JANE VANZANDT BROWER, PH.D.

Biology

KILAMBI JANAKI DEVI, PH.D.

Biology

VIRGINIA DEWEY, PH.D.

Biology

ROBERT J. NASH, PH.D.

Chemistry

HOPE ROBSON, PH.D.

Biology

TYO SONE, PH.D.

Chemistry

Assistants

MARC BRUNET

French

STEVEN ECKROAD

Physics

ERIC B. ERICKSON

Physics

ANA MARIA GALVIN

Spanish

RAFAEL S. GRASSO

Spanish

ALFRED PINGOUD

German

BRIAN F. LLOYD

Physics

JEAN ROCHE

French

JACQUES VIRMONT

French

Faculty Committees

Committee of Six: President PLIMPTON (Chairman, ex officio), Dean PORTER, (Secretary, ex officio), Professors ARONS, BIRNEY, FUNNELL, KENNICK, TOWNE, and YOST.

Committee on Educational Policy: Professors TRAPP (Chairman), CAMERON (Secretary), HEXTER, KATEB, and WARD.

Fellowship Committee: President PLIMPTON (Chairman), Dean PORTER (Secretary), Professors BAIRD, COLLERY, HEXTER, and LATHAM.

Committee on Admission and Scholarships: President PLIMPTON (Chairman), Dean WILSON (Secretary), Dean HALSEY, Dean PORTER, Dean REED, Dean ROUTH, Dean SWARTZBAUGH, Professor GROSE, Registrar, and Professor CANNON.

Committee on Intercollegiate Athletics: President PLIMPTON (Chairman), Dean PORTER (Secretary), Professors COLLERY, DEMOTT, OSTENDARP, RICHARDSON, ROZWENC, and WILSON.

Lecture Committee: Professors CARRE (Chairman), SILVER and WARD.

Library Committee: Professor PEMBERTON, Chairman; Mr. LAUGHER, Secretary; Professors CRAIG, FUNNELL, KATEB, McKEON, WHITE, and YOST.

Lucius Eastman Committee: Professors BIRNEY (Chairman), CODY, and GUTTMANN.

Officers of Administration

- CALVIN HASTINGS PLIMPTON *President of the College*
 B.A. (1939) Amherst College; M.D. (1943) M.A. (1947) Harvard University; MED. SC.D. (1951) Columbia University; LL.D. (1960) Williams College; LL.D. (1961) Wesleyan University; SC.D. (1962) Rockford College; LL.D. (1962) Doshisha University; L.H.D. (1962) University of Massachusetts; SC.D. (1963) Saint Mary's College; LL.D. (1963) St. Lawrence University; LITT.D. (1965) American International College.
- CHARLES SCOTT PORTER *Dean of the College*
 B.A. (1919) Amherst College; M.A. (1922) Clark University; L.H.D. (1956) Amherst College.
- EUGENE SMITH WILSON *Dean of Admission*
 B.A. (1929) Amherst College.
- WILLIAM LAMSON SWARTZBAUGH *Associate Dean*
 B.A. (1944) Dartmouth College; B.D. (1949) Yale University; M.A. (1952), PH.D. (1957) Ohio State University.
- CORTLAND VAN RENSSELAER HALSEY *Associate Dean of Admission*
 B.A. (1950) Rutgers University; M.A. (1952) University of Rhode Island; PH.D. (1956) University of Pennsylvania.
- NATHANIEL REED *Assistant Dean*
 B.A. (1955) PH.D. (1964) Yale University.
- DONALD McMILLAN ROUTH *Assistant Dean*
 B.A. (1958) Amherst College; M.A.T. (1960) Johns Hopkins University.
- JOHN MALCOLM ORDERS *Assistant to the Dean of Admission on the Mayo-Smith Teaching Grant*
 B.A. (1964) Amherst College.
- ROBERT FREEMAN GROSE *Registrar*
 B.A. (1944); M.S. (1947), PH.D. (1953) Yale University.
- ROBERT BYRON WHITNEY *Four-College Coordinator*
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- STANLEY FERDINAND TEELE *Treasurer*
 B.A. (1928) Amherst College; M.B.A. (1930), D.C.S. (1933) Harvard University; L.H.D. (1954) Amherst; SC.D. (1957) University of Pennsylvania; LL.D. (1957) University of Western Ontario; D.C.S. (1959) Laval University; L.H.D. (1959) Boston University.
- MINOT GROSE *Business Manager and Assistant Treasurer*
 B.A. (1936) Amherst College.
- GEORGE BURNHAM MAY *Comptroller*
 B.A. (1946) Amherst College.
- GEORGE BALFOUR DUNNINGTON, JR. *Assistant Comptroller*
 B.S. (1960) Babson Institute of Business Administration.
- JOHN LEWIS CALLAHAN, JR. *Director of Development*
 B.A. (1955) Dartmouth College.

- JAMES ALFRED GUEST *Secretary of the Alumni Council*
 B.A. (1933) Amherst College; LL.B. (1936) Yale University.
- HORACE WILSON HEWLETT *Secretary of the College and Director of Publications*
 B.A. (1936) Amherst College; M.A. (1941) Yale University.
- PETER SCHRAG *Assistant Secretary of the College*
 B.A. (1953) Amherst College.
- HOMER EVAN SNYDER *Assistant Secretary of the College*
 B.A. (1958) Amherst College.
- ARTHUR DAVENPORT
Fraternity Business Manager and Director of Student Activities
 B.A. (1932) Amherst College.
- SYDNEY DAKIN CHAMBERLAIN *Director of Vocational Guidance*
 B.A. (1914) Amherst College.
- LEWIS SEYMOUR MUDGE *Minister to the College*
 B.A. (1951), B.D. (1955), PH.D. (1961) Princeton University; B.A. (1954), M.A. (1958) Oxford University.
- OTIS CARY *Director of Amherst House, Doshisha University*
 B.A. (1946) Amherst College; M.A. (1951) Yale University.
- ROBERT HERMAN HEIDRICH
College Engineer and Superintendent of Buildings and Grounds
 A.E.E. (1927) Newark College of Engineering; P.E. (1945) New York University; M.A. (hon. 1962) Amherst College.
- WALTER CHARLES MARKERT *Assistant Superintendent of Buildings & Grounds*
 B.S. (1931) Springfield College
- JOHN HENRI SPENCER *Project Engineer*
 B.S. (1956) Hampton Institute; B.L.A. (1961) University of Massachusetts.
- GORDON BENJAMIN BRIDGES *Director of Dining Halls and Director of Personnel*
 M.A. (hon. 1954) Amherst College.
- ELLSWORTH ELLIOTT RICHARDSON *Director of Intercollegiate Athletics*
 B.A. (1927), M.A. (1932) Amherst College.
- HASKELL ROBERT COPLIN *Student Counselor*
 B.A. (1947), M.A. (1948), PH.D. (1951) University of Michigan.
- STEPHEN BROWN *College Physician*
 B.A. (1928) Amherst College; M.D. (1932) Yale University.
- OSCAR DONALD CHRISMAN *Associate College Physician*
 B.A. (1938), M.D. (1942) Harvard University.
- PAUL HAROLD SETON *Associate College Physician*
 B.A. (1945) Harvard University; M.D. (1952) Yale University.
- MARY MARGARET BARKOWSKI, R.N. *Supervisor of Student Health Office*
- MARJORIE RUTH CROSSMAN, R.N. *Assistant Supervisor of Student Health Office*
- HELEN BOLT STIMSON, R.N. *Supervisor of the Infirmary*

Fellows

GEORGE BASSOS, '65	Amherst College
<i>Edward Hitchcock Fellow in Physical Education</i>	
CARY EDWARD BELL, '65	University of Aix-Marseille, France
<i>Amherst Memorial Fellow in French</i>	
JOHN BOE, '65	University of California, Berkeley
<i>John Woodruff Simpson Fellow in English</i>	
STEPHEN WENTWORTH CARR, '65	Harvard University
<i>John Woodruff Simpson Fellow in Law</i>	
DOUGLAS HOWELL CHESSEN, '65	Harvard University
<i>John Woodruff Simpson Fellow in Medicine</i>	
GEORGE FLEMING DARDESS, '64	University of Tübingen
<i>Rufus B. Kellogg University Fellow in German Literature</i>	
JULIAN RAYMOND DAVIS, JR., '65	Howard University
<i>John Woodruff Simpson Fellow in Medicine</i>	
PETER SIDNEY DEROW, '65	Oxford University
<i>Amherst Memorial Fellow in Classics</i>	
COLIN STUART DIVER, '65	Harvard University
<i>John Woodruff Simpson Fellow in Law</i>	
JAMES CHESTER DYBIKOWSKI, '63	University College, London
<i>Amherst Memorial Fellow in Philosophy</i>	
JOHN STEWART EMIGH, '64	Tulane University
<i>Amherst Memorial Fellow in Theater</i>	
STEPHEN ALTON FERNBACH, '65	Harvard University
<i>John Woodruff Simpson Fellow in Medicine</i>	
ROBERT WARREN FIELD, '65	Harvard University
<i>Forris Jewett Moore Fellow in Chemistry</i>	
JAMES ROBERT FOSTER, '65	Cornell University
<i>John Woodruff Simpson Fellow in Medicine</i>	
ELLIOT LAWRENCE GLICKLER, '65	Harvard University
<i>John Woodruff Simpson Fellow in Law</i>	
ROBERT JOHN GOETZL, '65	Harvard University
<i>John Woodruff Simpson Fellow in Law</i>	
PHILIP EDWARD GOSSETT, '63	Paris, France
<i>Edward Poole Lay Fellow in Musicology</i>	
DAVID BAILEY HAMILTON, '61	University of Virginia
<i>Amherst Memorial Fellow in English Literature</i>	
NICHOLAS JACKSON HARDIN, '65	Cornell University
<i>John Woodruff Simpson Fellow in Medicine</i>	
DAVID CARL ITZKOWITZ, '65	Columbia University
<i>Forris Jewett Moore Fellow in History</i>	
JEROLD LANCE JACOBS, '65	Harvard University
<i>John Woodruff Simpson Fellow in Law</i>	

- EDWARD PAUL KAHN, '65 University of California, Berkeley
Amherst Memorial Fellow in English Literature
- RUSHWORTH MOULTON KIDDER, '65 Columbia University
Amherst Memorial Fellow in English
- DAVID LEWIS KIRP, '65 Harvard University
John Woodruff Simpson Fellow in Law
- PHILIP CHARLES KISSAM, '63 Yale University
John Woodruff Simpson Fellow in Law
- FREDERICK DUNBAR LEWIS, '65 University of Rochester
Forris Jewett Moore Fellow in Organic Chemistry
- RICHARD TRAFTON LEYDEN, '65 Oberlin College
Amherst Memorial Fellow in Education
- GEORGE ALFRED MUDGE, '65 University of Geneva
Roswell Dwight Hitchcock Memorial Fellow in International Relations
and John Woodruff Simpson Fellow in International Relations
- JOHN MICHAEL NEWMANN, '63 Harvard University or
 Teachers College, Columbia
Amherst Memorial Fellow in American History
- GEORGE DAVID SAVIDGE, '65 Princeton Theological School
Benjamin Goodall Symon, Jr. Memorial Fellow in Theology
- HARVEY SHELDON, '65 Harvard University
John Woodruff Simpson Fellow in Law
- RICHARD MAURY SIMS, III, '65 Harvard University
Charles B. Rugg Fellow in Law
- STUART MICHAEL STATLER, '65 Harvard University
John Woodruff Simpson Fellow in Law
- RICHARD LOUIS STEIN, '65 University of California, Berkeley
Henry P. Field Fellow in English Literature and
Amherst Memorial Fellow in English Literature
- ROBERT MERRILL STRIMER, JR., '65 Western Reserve University
John Woodruff Simpson Fellow in Medicine
- LAIRD JAMES STUART, '65 Princeton University
George Stebbins Moses Memorial Fellow in Theology
- DANIEL MARTIN TUMAN, '65 Columbia University
Amherst Memorial Fellow in History and
Henry P. Field Fellow in History
- RICHARD LEO ULLMAN, '61 Episcopal Theological School
George Stebbins Moses Memorial Fellow in Theology
- COLIN LESLIE WESTERBECK, JR., '63 Columbia University
John Woodruff Simpson Fellow in English
- BRUCE S. WOLFF, '65 Harvard University
John Woodruff Simpson Fellow in Law

Mead Art Building

CHARLES HILL MORGAN, PH.D.	<i>Director</i>
CHARLES ENSIGN ROGERS, M.A.	<i>Assistant Director</i>
MARGARET CECILIA TOOLE, B.A.	<i>Assistant Curator of Painting</i>

ADVISORY COMMITTEE ON ACQUISITIONS

LOUISA DRESSER, B.A.	<i>Worcester, Mass.</i>
<i>Curator, Worcester Art Museum</i>	
CHARLES HILL MORGAN, PH.D., L.H.D.	<i>Amherst, Mass.</i>
<i>Professor of Fine Arts on the William R. Mead Foundation</i>	
DANIEL COTTON RICH, PH.D.	<i>Worcester, Mass.</i>
<i>Director, Worcester Art Museum</i>	
CHARLES HENRY SAWYER, M.A., L.H.D.	<i>Ann Arbor, Michigan</i>
<i>Professor of Fine Arts, University of Michigan</i>	
CALVIN HASTINGS PLIMPTON, M.D., LL.D.	<i>Amherst, Mass.</i>
<i>President of the College, ex officio</i>	
ROY R. NEUBERGER	<i>New York, N. Y.</i>
<i>President, American Federation of Arts</i>	
PHILIP HOFER	<i>Cambridge, Mass.</i>
<i>Curator, Dept. of Printing and Graphic Arts, Harvard University</i>	
A. M. ADLER	<i>New York, N. Y.</i>
<i>Director, Hirschl and Adler Galleries</i>	

The Robert Frost Library

NEWTON FELCH MCKEON, JR., B.A.	<i>Director</i>
CHARLES THEODORE LAUGHER, PH.D.	<i>Associate Director</i>
EBENEZER PORTER DICKINSON	<i>Reference Librarian</i>
GERTRUDE B. WEIR, B.A., S.M.	<i>Head of Circulation</i>
RUTH MARIE ERIT, B.A.	<i>Order Librarian</i>
CYNTHIA FURNEAUX TUCKER, B.S.	<i>Chief Cataloguer</i>
EVELYN LYONS, B.A., M.L.S.	<i>Assistant Cataloguer</i>
ELINOR RICHARDS, B.A., A.M.L.S.	<i>Assistant Cataloguer</i>
FLOYD SAMUEL MERRITT, M.A., S.M.	<i>Administrative Assistant</i>

Kirby Memorial Theater

WALTER LEROY BOUGHTON, M.F.A.	<i>Director</i>
CHARLES ENSIGN ROGERS, M.A.	<i>Designer</i>
RALPH CLELAND MCGOUN, JR., M.A.	<i>Technical Director</i>

The Pratt Museum of Geology

GEORGE WILLIAM BAIN, PH.D.

Curator

ALBERT ELMER WOOD, PH.D.

Associate Curator

*GERALD PATRICK BROPHY, PH.D.

Associate Curator

Edward Hitchcock Memorial Room

RENA MARY DURKAN

Curatrix

Amherst College Wildlife Sanctuary

WALTER CHARLES MARKERT, B.S.

Director

Mabel Loomis Todd Forest

LINCOLN PIERSON BROWER, PH.D.

Curator

Snell Museum of Physics

THEODORE SOLLER, PH.D.

Director

Religious Advisors

The REV. LEWIS S. MUDGE, B.D., PH.D.

Minister to the College

The REV. JAMES CLARK, B.D.

Advisor to Protestant Students

The REV. RICHMOND K. GREENE, B.D.

Advisor to Protestant Students

The RT. REV. MONSIEUR DAVID J. POWER

Advisor to Roman Catholic Students

The REV. J. JOSEPH QUIGLEY

Advisor to Roman Catholic Students

RABBI LOUIS RUCHAMES, PH.D.

Advisor to Jewish Students

Advisor on Charitable Fund Awards

FRANK LEAROYD BOYDEN, SC.D., PD.D., LITT.D., L.H.D., LL.D.

* On leave 1965-66.

Amherst College

Since its beginning in 1821, Amherst has been an independent liberal arts college. Its founders dedicated the College to "the education of indigent young men of piety and talents for the Christian ministry," but Amherst was never associated formally with any church or sect. Its charter, granted by the Commonwealth of Massachusetts in 1825, simply commits the College to "the education of youth" and bars tests of religion in choosing students or faculty.

As a men's liberal arts college offering only the undergraduate bachelor of arts degree, Amherst is dedicated to general education in the humanities, the natural sciences, and the social sciences. Its curriculum, originally based on classical standards, has never been vocational in nature. It now attempts to combine a broad comprehensive education with the study of some field in depth. Amherst urges participation and apprenticeship for its students in all areas—academic, athletic, and extra-curricular—with the general intent of encouraging each individual to use his own skills, to develop new ones, and to make active use of his knowledge. Premised on the idea that, in the long run, man can only be given the chance to educate himself, Amherst's program is a series of challenges which demand serious effort on the part of each student.

The goal of a liberal arts program like Amherst's is to awaken in each student a love and respect for learning. Since many young men graduating from college today will probably enter areas of endeavor which have not yet even been discovered, Amherst tries to make its students familiar with a variety of disciplines and able to deal with problems in a broad spectrum of fields. Such studies should prepare each man to understand areas other than his own; they should enable the future scientist to communicate with the humanist, the humanist with the scientist. Thus the first two years of the Amherst program are devoted to an introduction to the major disciplines. Certain specific courses are required of all freshmen and sophomores. Among these are mathematics, physics, history, humanities, and English composition in the freshman year, and an additional year of another science and American Studies for sophomores. These courses are taught not to survey the subjects covered, but to make the student aware of the methods and problems associated with a particular field. Ideally he should learn how an historian or a scientist thinks. Some students are granted advanced placement on entrance, but since the faculty of the College believes in a common educational experience for all freshmen and sophomores, students in each of the first two years generally find themselves working on the same problems and assignments at the same time. Thus education is not confined to the classroom but continues in dormitories and at the dinner table.

As undergraduates become upperclassmen they choose a field for their major subject. They continue, however, to elect a certain number of courses outside their major field. About half of Amherst's seniors engage

in honors work which includes independent research, often at the frontiers of knowledge, and the preparation of a learned thesis. Many students also engage in other independent work—always under the general direction of a faculty member—either as part of their regular courses or under Amherst's program of independent reading, described in course offerings on page 59.

The College's faculty, drawn from many specialties and representing a great diversity of backgrounds and interests, is engaged in two primary activities: first, the education of undergraduates and, second, research and writing. Amherst's classes run from large lectures of two hundred or more to small groups of less than five students. About 80 per cent of the classes and sections have 25 students or less. Faculty members are easily accessible to undergraduates. Most of them, however, are not engaged in feeding data to the student, but in demonstrating methods, in asking questions, in preparing him to educate himself not only in college but also during the many years thereafter.

Founded by men like Noah Webster and Samuel Fowler Dickinson, grandfather of the poet Emily, Amherst received its initial support from many citizens of the town from which it takes its name. It has had a long association with the surrounding community, particularly with such poets and writers as Emily Dickinson, Helen Hunt Jackson, David Grayson, and Robert Frost. But the College is also associated with universal traditions of scholarship and learning. Its faculty holds degrees from institutions of higher learning all over the world and its students come from all parts of the United States and many foreign countries. Among Amherst's alumni are a former president of the United States, a chief justice of the Supreme Court, cabinet officers, ambassadors, businessmen, teachers, scientists, poets, and many less distinguished citizens who have contributed to their communities and professions in significant but unheralded ways.

The Amherst campus is located on a hill just south of the town common; campus and common run together and are hard to distinguish at first glance. The surrounding area is characterized by apple orchards and tobacco farms lying on the flat land of the Connecticut Valley and by ranges of hills to the south and east. Within a short walk are wooded hills, trails, and by-roads whose names date from another age in the life of New England; Rattlesnake Road, Juggler Meadow Road, the Orient. A short drive takes one to Deerfield and Bloody Brook, Pelham and Daniel Shays Highway, Northampton and Jonathan Edwards. A few miles away are three other institutions of higher learning: Smith and Mount Holyoke Colleges and the University of Massachusetts with whom Amherst engages in a number of cooperative education ventures. These are described on page 53.

With an endowment of some \$73,000,000, the College is equipped with a library of over 330,000 volumes, science laboratories, theater, gymnasium, swimming pool, and playing fields, squash and tennis courts, a museum of fine arts, a central dining commons where all students eat, dormitories, and

classroom buildings. Amherst has a wildlife sanctuary and a forest for the study of natural life, an observatory and planetarium, and equipment for studies in low temperature physics. It offers the student a chance to conduct research with a source of radioactive cobalt or to work in a modern experimental psychology laboratory equipped with closed circuit television and automatic measuring devices; the student has access to a large selection of American paintings in the College's art collection; he studies foreign languages with native speakers and in a modern language laboratory. During the course of each year he can hear distinguished visiting lecturers. The College also offers him several concerts each year and the opportunity for individual instrumental instruction. There is an active program of theatrical productions, schedules of foreign films, debates, and many other events, both at Amherst and at the neighboring institutions.

In extra-curricular activities the student has many chances to use his skills and follow his interests and to develop new skills. Amherst has a full program of intercollegiate athletics in most sports. Every freshman and sophomore is required to take part in a program of physical education designed to improve his fitness and to allow him to participate in team and recreational sports. In addition, about 90 percent of the students participate in an organized program of intramural sports. Amherst undergraduates also maintain a variety of non-athletic extra-curricular activities; a newspaper, yearbook, literary magazine, FM radio station, band, glee club and other smaller singing groups, a symphony orchestra (in conjunction with Smith College), a dramatic organization, and specialized clubs for those interested in such varied things as hiking, debating, medicine, law, or the discussion of current issues. The Christian Association and other religious groups, working independently or through the College chaplain and religious advisors, maintain a program of worship services, Bible study, community service projects and other activities.

Most Amherst undergraduates join one of the thirteen social fraternities at the end of their freshman year. These organizations provide housing for many of their members and are the focus of social life for upperclassmen. Freshmen live together in the same dormitories and maintain their own social activities. Since 1946 Amherst fraternities have been required to choose members without consideration of race or religion, and since 1951 every Amherst student who has wanted to join a fraternity has had the opportunity to do so.

The College's deans, medical staff, student counselor, religious advisors, and faculty advisors are prepared to give each undergraduate whatever assistance he requires. When possible, however, the undergraduate is encouraged to seek solutions to his own problems. Nevertheless, Amherst undergraduates generally find most members of the faculty and administration easily accessible, either at their offices, after class, or simply in passing on the campus.

All Amherst undergraduates subscribe to an honor code which makes

them responsible for the intellectual honesty of their work. This is described on page 54.

Amherst has now increased its enrollment to approximately 1,200 students. To accommodate these additional undergraduates and to provide improved facilities the College has recently completed a new dining hall, five new dormitories and the Robert Frost Library. New buildings for science, music, and assembly are being planned.

PRESIDENTS OF AMHERST COLLEGE

REV. ZEPHANIAH SWIFT MOORE, D.D.....	1821-1823
REV. HEMAN HUMPHREY, D.D.....	1823-1845
REV. EDWARD HITCHCOCK, D.D., LL.D.....	1845-1854
REV. WILLIAM AUGUSTUS STEARNS, D.D., LL.D.....	1854-1876
REV. JULIUS HAWLEY SEELYE, D.D., LL.D.....	1876-1890
MERRILL EDWARDS GATES, PH.D., LL.D., L.H.D.....	1890-1899
REV. GEORGE HARRIS, D.D., LL.D.....	1899-1912
ALEXANDER MEIKLEJOHN, PH.D., LL.D.....	1912-1924
GEORGE DANIEL OLDS, LL.D.....	1924-1927
ARTHUR STANLEY PEASE, PH.D., LL.D.....	1927-1932
STANLEY KING, LL.D.....	1932-1946
CHARLES WOOLSEY COLE, PH.D., L.H.D., SC.D., LITT.D., LL.D....	1946-1960
CALVIN HASTINGS PLIMPTON, M.D., SC.D., D.M.S., L.H.D., LITT.D., LL.D.	1960-

FOUR COLLEGE COOPERATION

Amherst has an arrangement with Mount Holyoke College, Smith College and the University of Massachusetts by which any of their regular courses is, under special circumstances, open to Amherst students. In addition, there are certain other *Cooperative Courses*, not necessarily regular courses at any of the institutions, which are, under special circumstances, open to Amherst students.

In general, permission to take any such course will be given only to students who are, or who expect to be, candidates for the degree with honors. In *all* cases, the approval of the student's major department and the Dean is required.

Students interested in such courses will find current catalogs of the other institutions at the Loan Desk of the Library and at the Registrar's Office. Application blanks may be obtained from the Registrar's Office.

The oldest cooperative venture is the Hampshire Inter-Library Center (HILC) located now in the Goodell Library at the University. HILC, a separate legal entity, is a depository for research materials and learned journals which are beyond the reach of any of the four libraries operating independently. An FM radio station (WFCR, 88.5 mc.) is run cooperatively through the Western Massachusetts Broadcasting Council composed of representatives of the four institutions. Other cooperative activities include a joint Astronomy Department; courses in the History of Science

and in Asian-African studies; a Ph.D. program; a Film Center; a common calendar of events; a committee on transportation; an Office for Teaching Assistance; and a Coordinator for cooperative projects.

ROBERT B. WHITNEY, PH.D.
PAMELA HAARMANN

*Coordinator
Office for Teaching Assistance*

The Folger Shakespeare Library

By the will of the late Henry Clay Folger of the Class of 1879, there was bequeathed to the Trustees of Amherst College the Folger Shakespeare Library in Washington, D. C., together with an endowment for maintenance, later increased by the generosity of Mrs. Folger.

The building, located on East Capitol Street directly east of the Library of Congress, was erected at a cost of more than \$2,000,000. Its endowment now stands at about \$28,000,000, and its collections are valued at about \$3,200,000. On the Library's main floor are: an Exhibition Gallery with displays of rare books, manuscripts, paintings, and miscellaneous curios and works of art; an Auditorium in the form of a reproduction of the interior of an Elizabethan playhouse; a large Reading Room, representing a Tudor Banqueting Hall and hung with early tapestries; four Vaults, containing the rarest portions of the collections; a Reception Room for social purposes; and Administration Offices. On the second floor are the working rooms of the Library's Accessions Department, the Catalogue Department, and offices for members of the staff. A Photographic Department is in the basement. Reading machines for microfilm are found in the stacks.

The Library concentrated its original collection largely upon the life, writings, and influence of William Shakespeare, but during the past two decades it has increased its rare books and manuscripts in related fields until today it has one of the largest collections in the world for the study of British history of the sixteenth and seventeenth centuries. Only the British Museum has a larger collection of early English books.

Under the plan of the Trustees of the College, in addition to maintaining its traditional interest in Shakespeare and English Renaissance literature, the Library is exploiting other fields as well. Efforts are made to expand it as an efficient laboratory of research and investigation. Aid and encouragement are given literary and historical scholars capable of making the most significant use of the Library's great collection of source materials. The Library has also developed reference collections which scholars require for the efficient utilization of rare books and manuscripts.

Research facilities of the Library are not open to casual visitors, but permission to use them may be obtained by qualified scholars upon application to the Director. Interested individuals and groups are cordially invited to visit the Folger's Exhibition Gallery.

FOLGER LIBRARY OFFICERS

LOUIS BOOKER WRIGHT, PH.D., LITT.D., L.H.D., LL.D.	<i>Director</i>
PHILIP A. KNACHEL, M.S.L.S., PH.D.	<i>Assistant Director</i>
GILES EDWIN DAWSON, PH.D.	<i>Curator of Books and Manuscripts</i>
JAMES G. McMANAWAY, PH.D., LITT.D.	<i>Consultant in Literature and Bibliography</i>
VIRGINIA A. LAMAR	<i>Executive Secretary</i>
ELEANOR PITCHER	<i>Assistant to the Director</i>
DOROTHY E. MASON, B.A., M.A.	<i>Reference Librarian</i>
LILLY C. STONE, B.A.	<i>Chief Cataloguer</i>
ELAINE FOWLER, B.A.	<i>Reading Room Supervisor</i>

Doshisha University

Doshisha University in Kyoto, Japan, was founded by Joseph Hardy Neesima, of the Class of 1870, the first Japanese to graduate from a Western institution of higher learning. Amherst has maintained a continuing and close relationship with Doshisha. More than twenty-five Amherst graduates have taught there, and, since 1922, Amherst has maintained a resident instructor at the Japanese university. Amherst House, a New England Georgian style residence, was built on the Doshisha campus in 1932 as a memorial to Neesima. It houses some twenty Doshisha students and serves as a center for cultural exchange between students and faculty from East and West.

Since World War II, Amherst has maintained a member of its own faculty for permanent service at Doshisha as a Professor in Residence and Director of Amherst House. Recently he has been aided by an Amherst-Doshisha Fellow on a yearly assignment. In 1962 the College, through the further generosity of friends and alumni, was enabled to build a new guest house of modern Japanese design which affords quarters for the director, well-appointed guest suites, and dining facilities to enhance the possibilities of exchange across cultural barriers. As the importance of Eastern ideas and Asian cultures gains increasing recognition, Amherst House is able to provide unique facilities and a sympathetic environment for scholars visiting Kyoto — for a thousand years the capital of Japan and still the center of traditional Japanese culture.



I

Admission

Regulations

Tuition and Fees

Financial Aid

Degree Requirements



Admission

GENERAL STATEMENT

Admission to Amherst College is competitive. The College attempts to select those applicants who seem qualified to benefit from the educational opportunities offered. The Committee on Admission, in judging the qualifications of applicants, pays particular attention to (1) academic performance in high school or independent school; (2) results of the College Entrance Examination Board scholastic aptitude and achievement tests; (3) the recommendation of the high school principal or headmaster; (4) evidence of curiosity, industry, and resolution; (5) the character, health, and extra-curricular interests and achievements of the applicant. All freshmen admitted are candidates for the Bachelor of Arts degree.

HOW AND WHEN TO APPLY FOR ADMISSION

Correspondence regarding admission to the freshman class should be addressed to the Dean of Admission, Amherst College, Amherst, Massachusetts.

Applications should be filed in senior year between September 1 and March 1. Applicants who seek financial aid should file their applications between September 1 and February 1 of senior year. Under special circumstances later applications may be considered. Decisions of the Committee on Admission will be mailed to candidates about mid-April.

Students with exceptional ability and maturity who have outrun the educational opportunities of their communities may apply for admission after three years of secondary school.

Amherst has an Early Decision Program for students who have selected Amherst as the college of their choice. Details are available with the application form.

Beginning students may enter only in September.

Scholarship applicants should refer to pages 45-47.

The formal application should be accompanied by a check or money order for \$10.00 made payable to the *Trustees of Amherst College*. This application fee will not be refunded if the student withdraws his application or if his application is not acted upon favorably.

INTERVIEW HOURS

The Admission Office is open weekdays from 8:30 a.m. until 12:00 noon and 1:30 p.m. until 4:00 p.m. and on Saturdays from 8:30 a.m. until 12:00 noon, but through the summer months and until Labor Day, the Admission Office (and all administrative offices) will be closed on Saturdays. Where possible, applicants for admission are advised to visit the College and discuss their educational plans with an admission officer. Interviews are not required, however. *It is advisable to write for an appointment with an admission officer if you plan to visit the College.*

RECOMMENDED PREPARATION

The following minimum program of studies is recommended for students planning to enter Amherst College:

English	4 years
Mathematics	3 years
Foreign Language	2 years (3 or 4 years of one preferred)
History	1 year
Laboratory Science	1 year

It should be noted that the College stresses sound preparation in certain subjects which are important implements for the many branches of college work. English, mathematics (intermediate mathematics, emphasizing basic algebraic, geometric, and trigonometric concepts and deductive reasoning), and foreign language (ancient or modern or both) are the subjects in which entering students should show proficiency.

For graduation Amherst College requires competence (oral and written) in a foreign language, ancient or modern. For definition of competence see page 49. The phrase "satisfactory score" means 600 in the College Entrance Examination Board achievement tests.

In selecting a class, some preference is given to candidates who present the following programs in foreign language in the following order:

First preference—four years of one language;

Second preference—three years of one language;

Third Preference—two years each of two languages.

Candidates who apply from secondary schools which offer little or no language instruction will be judged by their other intellectual aptitudes and achievements and their readiness for the Amherst curriculum. Amherst College recommends, where possible, that a student continue to study the language he begins in secondary school through completion of the college requirement.

Students with particular interests may wish to modify the suggested program by taking more work in certain subjects and less in others. Such modification is wholly acceptable, provided there is evidence of adequate preparation in the basic fields of English, mathematics, and foreign language. Any deviation should be discussed in advance with the Dean of Admission.

ADVANCED PLACEMENT

In certain subjects, candidates who have completed advanced work in secondary schools may apply for advanced placement at Amherst. Each case will be considered individually on its own merits. Candidates interested in Advanced Placement are urged to take the Advanced Placement Tests given by the College Entrance Examination Board. Questions about Advanced Placement should be directed to the *Dean of Admission*. For

further information candidates should consult the Advanced Placement booklet in their secondary school guidance office.

COLLEGE BOARD TESTS

All applicants for admission are required to take the Scholastic Aptitude tests, two Achievement tests, and the Writing Sample test given by the College Entrance Examination Board. No College Board tests may be taken after the January series of senior year except by special permission. *Achievement tests should include a test in language if this subject is being studied in senior year. Applicants who wish to deviate from this program should notify the Dean of Admission.*

Students in the eleventh grade who plan to attend a college using the College Board tests are urged to take the scholastic aptitude tests and the achievement tests in language in May if this subject is not to be continued in the twelfth grade.

Students who graduate at mid-year should take all tests in December or January of their senior year.

Applicants should register for these examinations as soon as possible with the Secretary of the College Board, Box 592, Princeton, New Jersey 08540. Students living in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming, Alaska, Hawaii or Australia should register with the Secretary of the College Board, Box 1025, Berkeley, California 94701. Veterans are exempted from these tests if their location and service make examinations impossible.

REGENTS EXAMINATIONS

Applicants from the New York State public schools are expected to submit scores made on the Regents Examination in addition to the scholastic aptitude and achievement tests given by the College Entrance Examination Board.

ADMISSION AS A TRANSFER

Correspondence concerning admission of transfers should be addressed to the Dean of Admission.

To be eligible for consideration as a transfer a candidate must meet the following requirements:

1. His credits must satisfy the full entrance requirements of Amherst College.
2. He must have completed creditably the work of at least one year in an institution of collegiate rank.
3. He must present a statement of honorable dismissal.
4. He must file a formal application for admission by transfer.

Candidates for admission by transfer are usually admitted in September.

Candidates should note that, in general, only students with a B average or better will be considered for admission as transfers.

Special consideration is given applicants from junior or community colleges who have made distinguished academic records.

Some financial aid is available for transfer students.

COOPERATIVE ENGINEERING-SCIENCE PROGRAM

In order to facilitate the combination of a liberal arts course with education in science and engineering, Amherst College will permit a student of high standing to pursue a five-year program in which the first three years will be spent at Amherst College and the last two years at the Massachusetts Institute of Technology, or any other engineering school approved by the Dean of the College, with the understanding that if the five-year program is satisfactorily completed the student will receive the degree of Bachelor of Arts from Amherst College and the degree of Bachelor of Science from the engineering school.

SPECIAL BOOKLET

A descriptive booklet entitled *This is Amherst* may be had upon application to the *Dean of Admission*.

Regulations

TERMS AND VACATIONS

The college year 1965-1966 includes two regular semesters with fourteen weeks of classes each semester. In the fall semester there are a Thanksgiving recess of approximately five days and a Christmas vacation of two weeks; in the spring semester there is a vacation of two weeks.

ATTENDANCE AT COLLEGE EXERCISES

The officer in general charge of matters concerning attendance at college exercises is Dean Swartzbaugh.

It is assumed that students will make the most of the educational opportunities available by regularly attending classes and laboratory periods. At the beginning of the semester each instructor is free to state his policy with regard to absences in his course, and thereafter he may report to the Dean's Office the name of any student who violates the regulations announced. In such cases the Dean will take appropriate action which may include a reduction in the student's credit hours or in his being dropped from the course.

The Registrar will send to faculty members a list of students who have been absent for athletic trips or other extracurricular activities, and a list of students who have been in the Infirmary. Students are asked to notify the Dean's Office if they have been delayed at home by illness or family emergencies. They are also expected to notify the Dean's Office of any extended absences from the College or of any unusual unexplained absence on the part of any fellow student.

If a student has been attended in his home by a physician other than one of the Student Health Office staff, he should, on the day of his return, report the absence to the Dean's Office and submit a statement concerning his illness and any recommended treatment to the Student Health Office. Students who are ill at college will normally be attended at the Infirmary or the Student Health Office, and a report of any hospitalization will be sent to faculty members.

All official college vacations and holidays are announced on the College Calendar appearing on page 5 of this catalog.

Morning assemblies are conducted on Monday, Tuesday, Thursday and Friday mornings. All students are required to attend one third of these assemblies each semester.

STUDENT CONDUCT

The officer in general charge of student conduct is Dean Swartzbaugh.

It is the belief of Amherst College that its students want to take responsibility for setting, maintaining, and supporting moral and intellectual

standards. With this in mind, the College has adopted an honor code. In a social and moral sense this honor code means the support of those standards which befit the conduct of a gentleman and which will reflect credit on the College, its students, and its guests.

The College reserves the right to exclude at any time students whose conduct or academic standing it regards as undesirable, and without assigning any further reason therefor; in such cases fees will not be refunded or remitted, in whole or in part, and neither the College nor any of its officers shall be under any liability whatsoever for such exclusion.

RECORDS AND REPORTS

The officer in charge of records and reports is the Registrar of the College.

Reports of standing are sent to parents or guardians at the end of each term. The passing grade in each individual course is 60. An overall average of at least 70 is required for a degree.

Students' records are confidential and information is released only at the request of the student or of appropriate institutions and officials. Partial transcripts are not issued. Each transcript includes a student's complete record at Amherst College to date.

The first three transcripts are furnished free of charge. For additional transcripts there is a charge of \$1 each, due at the time the transcript is issued at the Office of the Registrar. Checks should be made payable to Amherst College. No records are issued to or for students with unpaid accounts at the Comptroller's Office.

ROOMS AND BOARD

All students, unless specifically excused by the Dean, are required to live either in the dormitories of the College or in fraternity houses. Dormitory rooms are equipped with bed, mattress, pillow, chiffonier, desk, chairs, and bookcase or shelves. Occupants furnish their own blankets, linen, and towels, and may provide extra furnishings if they wish, such as rugs, curtains, lamps, etc.; they may not add beds, sofas, lounges, or other furniture of such nature except under certain circumstances. More complete regulations for dormitory occupancy are contained in the Student Handbook. Room assignments are noted on the invoice from the Comptroller's Office.

All students are required to eat in Valentine Hall unless excused by the Dean. There are no rebates for absence from meals.

STUDENT HEALTH

The officer having general supervision of health, medical care and physical development is the College Physician.

The College's medical staff includes the College Physician on a full-time basis and an orthopedist and psychiatrist who have regular consulting hours

on a part-time basis. Outside medical consultants in almost all specialties are available when recommended by the College Physicians. Hospitalization of students, when needed, is usually at the Cooley Dickinson Hospital in Northampton.

Facilities for the adequate care of the great majority of the students' illnesses and injuries are available in the Student Health Office and College Infirmary. The infirmary is a modern well-furnished and comfortable building with a normal capacity of 22 beds, easily expanded to 40 beds when needed, and to 90 beds in case of an epidemic. It is staffed on a 24-hour basis by graduate nurses.

A physical examination is required of each new student in order to make a general survey of his health and to classify and advise him as to suitable physical and athletic activity.

Each student admitted to Amherst College must have been successfully vaccinated for smallpox or must be willing to submit to such vaccination by the College Physician within three months after admission.

Students who are unable to attend classes because of illness are expected to go to the infirmary. Sick excuses are given only for such time as is spent in the infirmary or, if with their families, under a physician's care.

A College Physician supervises all athletic activities and provides first aid and medical care in case of injury.

Parents are notified of infirmary admissions in the case of significant illness or injury. If such cases are serious or unusual, notification will be made by telephone. In emergencies requiring immediate surgery, when parents cannot be consulted in advance, the President of the College will assume responsibility for the authorization of operation.

A health fee of \$20 per semester is charged to each student. This fee entitles him to the services of the Student Health Office, the College Infirmary, and the College Physicians for illnesses and injuries occurring while college is in session, but does not assume the cost of continuing treatment of illness or injury contracted prior to the student's admission to Amherst or while college is not in session. These benefits end with a student's graduation, withdrawal, or dismissal from College. The fee does not cover the cost of such off-campus services as medical consultants, hospitalization, x-ray treatments, dental care, prescriptions, eye glasses, etc.

To take care of cases requiring treatment beyond the scope of the College plan, and to fill the gap of vacations and holidays, the College has arranged with Massachusetts Blue Cross-Blue Shield for a student health plan, at a yearly premium of \$22, to supplement health services provided on campus to all students. Blue Cross-Blue Shield student protection is provided for a full twelve months beginning on September 1 of each year and liberal hospital, surgical and medical benefits are available without waiting periods for all student participants. There is also an added \$5,000 in Prolonged Illness protection for the more serious accidents and disabilities. This insurance, or comparable coverage, is required for all students who participate in intercollegiate athletics.

CAREER GUIDANCE

In a liberal arts college, where few studies are of direct occupational significance, many undergraduates find the choice of a career a perplexing problem. To help undergraduates solve this problem, the College offers an occupational guidance program under the leadership of a Director of Career Guidance. This program assists students to (1) discover their own special interests, aptitudes, talents, and powers; (2) discover the most promising outlets for these special and individual powers; (3) become familiar with the best techniques in obtaining a job; (4) recognize the principal adjustments needed in changing from a life on the campus to one in the business world; and (5) arrange for interviews with government agencies, business concerns, and other groups interested in employing Amherst graduates. An important part of the guidance program are the career conferences which bring to Amherst lawyers, doctors, teachers, government employees, businessmen, and others for discussions with interested undergraduates in many career areas.

Tuition and Fees

The officer having general supervision of the collection of Tuition and Fees is the Comptroller.

A candidate's formal application for admission should be accompanied by a \$10 application fee in check or money order payable to Amherst College. Upon notification of his admission to the College a candidate is required to return with his acceptance a non-refundable advance payment of \$100 which will be credited in full on his first term bill.

Student accounts are payable at the Office of the Comptroller. Semester bills will be mailed approximately two weeks before the due date. Freshmen and other new entrants should make payments on or before arrival. Advance payment by mail upon receipt of a bill will be a convenience to the student and to the College.

For those who prefer to pay monthly, arrangements have been made for a pre-payment plan, including insurance for continued payment in case of death or disability of the parent. For further details write to Insured Tuition Payment Plan, 38 Newbury Street, Boston 16, Massachusetts.

Unless special arrangements have been made with the Comptroller *in advance*, payment in full is expected when due. The due dates are Tuesday, September 14, 1965 for the first semester, and Monday, January 24, 1966 for the second semester.

Identification cards must be picked up in person at the Comptroller's Office before course cards can be obtained.

SUMMARY OF CHARGES

	<i>Each Semester</i>	<i>Total for Year</i>
Tuition	\$ 750.00	\$1,500.00
Room	175.00	350.00
Board	250.00	500.00
Health Fee	20.00	40.00
Intercollegiate Athletics Fee	17.00	34.00
Student Activities Fee	23.00	46.00
Total	\$1,235.00	\$2,470.00

On the first semester bill there is a charge of \$22 for twelve months Accident and Sickness Insurance from September 1st. If this protection is not desired, the parent or guardian may, not later than September 14th, state in writing that the College is relieved of all responsibility in this connection and request cancellation of the charge. The required Health Fee of \$40 covers only the services of college doctors and campus facilities while college is in session, but no off-campus facilities, consultants or surgeons.

Each new student, or former student reentering, is charged a \$25 Guarantee Deposit refundable after he graduates or otherwise leaves college, less any unpaid charges against him.

Each senior or candidate for the Master of Arts degree is charged a degree fee of \$15 in his final semester.

Miscellaneous charges such as fees for late registration, change of courses, extra courses, library fines, lost or damaged property, etc., are payable currently when incurred.

For delinquencies in Physical Education a charge of \$30 will be levied each semester following sophomore year until the delinquency is removed.

Scholarship awards will be credited on the semester bills. Scholarship loans will be credited after signed notes are received. Scholarships from outside donors will be credited when received.

A fee for the support of various activities of the student body is determined by the Student Council. This fee is collected by the College and turned over to the Director of Student Activities for expenditure under his supervision. For the year 1965/66 the fee has been set at \$43.00. For this fee each student receives a copy of the yearbook, the OLIO; a one year's subscription to the student newspaper and magazine, THE AMHERST STUDENT and THE AMHERST LITERARY MAGAZINE; and contributes to the support of the college band, the Glee Club, the Prom, the Debate Council, and the radio station; the fee includes class dues for each class, and the support of eighteen other activities of the student body which fall under the jurisdiction of the Student Council. To this fee is added \$3.00 covering admission to Masquers performances which are under College rather than Council jurisdiction, making a total of \$46.00, one half of which, \$23.00, will appear on each semester bill.

ADDITIONAL EXPENSES

Beyond the total amount billed by the College will be the student's personal expenses, membership dues in student organizations, clothing, travel, books, and miscellaneous items — all of which will vary greatly with the individual but will probably range from one to two hundred dollars per semester.

Financial Aid

The officer directly in charge of the administration of financial aid is Dean Routh.

In a sense, every student at Amherst College is on scholarship. Beginning in September, 1966, the comprehensive charge for tuition, room, board, and fees will be \$2,600, yet the education of each student costs the College more than \$5,900 per year. General endowment income, gifts, and grants to the College supply the difference.

For those students who cannot afford the regular charge, financial aid is available from a variety of sources. Through the years alumni and friends of the College have contributed or bequeathed capital funds whose income is to be used for scholarship aid to worthy students. These funds, which are listed in detail in the Appendix, now amount to more than \$3,800,000. Some, such as those designated for candidates for the ministry or those for students from certain geographical areas, are restricted in use. For the most part, however, the income from these funds may be used at the discretion of the College.

Each year the alumni of the College through the Alumni Fund contribute a substantial sum for scholarship and financial aid purposes. Without these alumni contributions, the College could not maintain its present financial aid program.

Additional financial aid is available to Amherst students from sources outside the College. A number of foundations and corporations grant funds which the College distributes on the basis of high merit and financial need. Notable special scholarships are granted by the Alfred P. Sloan Foundation, the General Motors Corporation, the Procter and Gamble Corporation, the Agnes M. Lindsay Trust, the Edwin Gould Foundation for Children, the Allied Chemical Corporation, and the Hubshman Foundation. The College also participates in the National Defense Student Loan Program which makes federal loans available to students who can demonstrate financial need.

Amherst College has a broad financial aid program in which scholarship grants, loans and student employment all play an important part. About one third of the students receive financial aid. Awards range from \$200 to \$2,600.

FINANCIAL AID POLICY AND PROCEDURE

The College grants financial aid primarily on the basis of demonstrated financial need, but a student's character and academic performance and promise are important factors. A student's financial need is calculated by subtracting from his probable college year expenses the amount which he and his family may reasonably be expected to supply. His college year

expenses include tuition, room, board, fees, transportation, a sum of \$450 for books and personal expenses, and fraternity fees for upperclassmen. The family contribution is computed in accordance with the standard procedures of the College Scholarship Service. The college assumes further that each student will assist in financing his education through summer employment and part-time jobs during the college year.

Financial aid awards to incoming freshmen usually take the form of outright grants. Upperclassmen may expect part of their awards to be long-term, low-interest loans. As a general rule sophomores may expect a loan proportion of 20%, juniors 30%, and seniors 40%. These loans require no payment of interest or principal until one year after graduation from Amherst or graduate school, or upon completion of military service, whichever is latest. Thereafter, the loans are repayable on a monthly basis within a ten-year period at a moderate rate of simple interest. Part of a student's loan may be forgiven if he enters certain low-paying professions of service.

Renewal of scholarship grants is not contingent upon acceptance of the loan portion; many students prefer to earn more money during the summer or at college so that no loan is needed. Students who are unable to meet the summer-earning expectation by reason of unusual or educational summertime opportunities may petition for an increase in loan to cover the difference. The size of the loan portion is also influenced by the quality of the student's academic record; those with particularly fine records may receive a reduction of the loan portion, and conversely those whose academic work is not satisfactory may have a higher loan portion. Recipients of national scholarships and outside foundation awards are not subject to these loan provisions. Recent experience has shown that the increased use of loan funds has added a considerable degree of flexibility to the financial aid program, and has made it possible to assist almost every student who needs help.

APPLYING FOR FINANCIAL AID

Candidates for admission who desire scholarships should file applications for financial aid at the same time they file their applications for admission. Both applications must be received by the Admissions Office before February 1 to be considered. An application for financial aid requires the submission of two forms: a Parents' Confidential Statement filled out by the parents, and a Freshman Scholarship Application filled out by the candidate for admission. Candidates may obtain copies of the Parents' Confidential Statement from their secondary school guidance counselors or from the College Scholarship Service, Box 176, Princeton, New Jersey 08540, or Box 27896, Los Angeles, California 94701. Parents should send the completed form to the College Scholarship Service which will process it and forward the results to Amherst College for evaluation and final decision. Freshmen Scholarship Applications may be obtained

from the Office of the Dean of Admission by filling in the financial aid request form accompanying every application for admission. Applicants for financial aid need not take any special examinations other than those required for admission.

Undergraduates who desire renewal of their financial aid awards or who wish to apply for financial aid for the first time must file applications by April 15. Application entails submission of a Parents' Confidential Statement filled out by the parents and an Upperclass Financial Aid Application filled out by the student. Both forms may be obtained in Dean Routh's Office and both should be returned directly there. Upperclassmen will receive notification of their financial aid awards in July.

TOWN SCHOLARSHIPS

The Trustees of the College have provided that entering students who, with their parents, have been residents of the Town of Amherst for three years prior to the time of admission may be granted free tuition for the freshman year. The grants are continued throughout the college course of these students, provided they satisfy the College's scholarship requirements, conform to its regulations, and their parents continue to live in Amherst.

STUDENT LOAN FUND

Through the generosity of friends of the College, the Student Loan Fund has been established from which small short-term loans may be made to a few students who require funds to meet personal emergencies or other needs for which scholarship loans may not be obtained. In accordance with the conditions set by the donors, use of the Student Loan Fund is limited to students in good scholastic standing whose habits of expenditure are economical. The rate of interest is slightly higher and the repayment period shorter than for scholarship loans, but complete scholarship application procedure is not required. The Business Manager of the College administers the Student Loan Fund. Further information about it may be obtained from his office.

ADDITIONAL FINANCIAL AID INFORMATION

A more detailed description of the financial aid program, *Costs and Financial Aid at Amherst College*, is available upon request from the Admission Office. Questions about the financial aid policy of Amherst College should be directed to the Assistant Dean in charge of financial aid.

Requirements for the Degree

Bachelor of Arts

The degree, Bachelor of Arts, is conferred upon students who have satisfactorily met the requirements described below. The plan of studies leading to this degree is arranged on the basis of the equivalent of an eight-semester course to be pursued by students in residence at Amherst College.

The degree, Bachelor of Arts, *cum laude*, *magna cum laude*, or *summa cum laude* (Degree with Honors) is awarded to students who have successfully completed an approved program of honors work with a department or group.

Other students who satisfactorily meet the requirements as indicated below receive the degree, Bachelor of Arts, *rite*.

REQUIREMENTS

The Bachelor of Arts degree is awarded to students who:

1. Complete a minimum of one hundred and twenty-eight credit hours of which at least sixty-four must be completed in the freshman and sophomore years and at least sixty-four in the junior and senior years;
2. In freshman and sophomore years complete three two-year sequence courses in natural science, social science, and English-Humanities;
3. In junior and senior years take at least fifteen credit hours outside the division in which they are majoring;
4. Satisfy the requirements in language and the humanities;
5. Pass a comprehensive examination in their major department;
6. Complete certain prescribed work in public speaking and physical education;
7. Have no deficiencies in the work of any year; and
8. Attain a general average of 70 percent in the courses completed at Amherst College and a grade of at least 70 percent in every course completed at another institution.

Note 1: The Class of 1966 will be expected to meet the requirements for the degree, Bachelor of Arts, as stated above.

Note 2: The Class of 1967 will be expected to follow the above degree requirements during Junior year. Modifications of these requirements for Senior year will be announced during this academic year.

Note 3: The Class of 1968 will be expected to follow the above degree requirements during Sophomore year, with the exception that Public Speaking will not be required for this class. Modifications of the degree requirements for Junior and Senior years will be announced during this academic year.

Note 4: The Class of 1969 will follow the present freshmen curriculum in 1965-66. The new degree requirements for this class will be announced during this academic year.

Exceptions

Exceptions to these requirements will be considered in the following cases:

A. A Sophomore who finds it necessary to exceed the sixty-four credit-hour minimum of the first two years in order to take an introductory course in a department in which he plans to major may, with the Dean's permission, postpone a required sophomore course to the junior year.

B. A portion of the fifteen credit-hour extra-divisional requirement may be waived by departmental representatives whenever they consider it justified. In such cases, students, both *rite* and honors, must submit a written statement to the representatives of the departments in which they are majoring giving the reasons why the requirement should be waived.

Language Requirements

The college language requirement may be satisfied in any of the following languages: French, German, Italian, Russian, Spanish, Latin, or Greek.

In modern languages the requirement may be met in either of the following ways:

1. At entrance, by a satisfactory score in the College Entrance Examination Board Achievement Test in the language, plus a demonstration of ability to comprehend the spoken language as shown either by a satisfactory score in the Listening Comprehension Test administered by the College Entrance Examination Board, or in an aural examination to be given to freshmen at the beginning of the college year.

2. After entrance, by passing course 5 in French, German, or Spanish; or by passing course 21 in Italian; or by passing Course 4 in Russian; or by passing reading and aural comprehension examinations to be given at the end of course 3 in French, German, Italian, or Spanish.

In ancient languages the requirement may be met in either of the following ways:

1. At entrance, by a satisfactory score in the College Entrance Examination Board Achievement Test in Latin or Greek.

2. After entrance, by passing Latin 3 with a grade of C, by passing any higher numbered course in Latin, or by passing Greek 3.

Humanities Requirements

In order to satisfy the Humanities requirement, students must elect, in addition to the prescribed freshman humanities course, three further semester courses, for a total of at least nine credit hours, from the following three groups:

1. Philosophy, Religion, Classical Civilization
2. Music, Fine Arts, Dramatic Arts
3. English or foreign literature.

The requirement may be met *either* by electing one semester course from each of the three groups *or* by electing two semester courses from one

group and an additional semester course from either of the other two groups. Two of these courses must be completed by the end of the sophomore year. The particular courses which may be offered in satisfaction of this requirement are those designated by the departments concerned in their announcement of course offerings, and are listed on page 7 of the 1965-1966 *Announcement of Courses*.

The Major Requirement

A major consists of the equivalent of thirty credit hours pursued under the direction of a department or special group. A major cannot begin later than the junior year and may begin in either the freshman or sophomore year. At least one course in the major must be included in each semester of both junior and senior years. Each department decides whether a freshman course in a department shall count toward its major.

CURRICULUM FOR FIRST TWO YEARS 1964-1966*

The complete program for freshmen and sophomores is:

<i>Science</i>	<i>History</i>	<i>Humanities</i>	<i>Elective</i>
FRESHMAN YEAR			
Physical Science and Mathematics	European Civilization	English and Humanities	Foreign language or other elective
SOPHOMORE YEAR			
<i>Two semester courses from:</i> A. Chemistry and Biology B. A semester course in Evolution of the Earth and Man and a semester course in either Astronomy, Biology, Chemistry, Geology, or Psychology C. Astronomy 22 D. Geology 21, 21s, or 22	Problems in American Civilization	<i>Two courses from:</i> A. Literature—English or foreign B. Philosophy, Religion, Classical Civilization C. Fine Arts, Music and Drama	Elective

* The Class of 1968 will follow this curriculum in the freshman and sophomore years. The Class of 1969 will follow this curriculum in the freshman year only.

The major can be met in accordance with either of two plans:

Plan A: A student may complete the thirty credit hour requirement within one department. He must complete at least twenty-two credit hours within one department, however, in which case he may complete the remaining credit hour requirement in related fields approved by the department.

Plan B: Combinations of courses not provided for under Plan A, but similar in aim to the established group majors in American Studies and Biophysics, may be made with the consent of the several departments concerned and of the Dean.

Averages

Candidates' averages each semester are computed on the basis of all courses taken at Amherst College, and candidates must have a general average, including failure grades, of 70 percent in courses taken at Amherst College to be eligible to receive the degree Bachelor of Arts.

DEGREE WITH HONORS

The degree Bachelor of Arts with honors is awarded at graduation to students whose academic records give evidence of particular merit. It may be awarded *cum laude*, *magna cum laude*, or *summa cum laude*, according to the level of achievement of the candidates. All degrees with honors are

COURSE DIVISIONS

1965-1966

DIVISION I <i>The Humanities</i>	DIVISION II <i>Social Studies</i>	DIVISION III <i>Mathematics and Natural Sciences</i>
Dramatic Arts English Fine Arts French German Greek Humanities Italian Latin Music Philosophy Public Speaking Religion Russian Spanish	American Studies Anthropology Economics History Legal Studies Political Science	Astronomy Biology Biophysics Chemistry Geology Mathematics Physics Psychology Science

noted on the diploma and the commencement program, and are announced in the annual catalog.

The award of honors is made by the Faculty of the College. In making such awards the Faculty will take into account the following factors: (1) Candidates must have a minimum college average of 80 to be eligible to be considered for the degree *cum laude*, of 86.00 for the degree *magna cum laude*, and of 90.00 for the degree *summa cum laude*. (2) Candidates must receive the recommendations for the degree *cum laude*, *magna cum laude*, or *summa cum laude* from the department in which they have done their major work. Each department will define the conditions upon which it will be their practice to make recommendations to the Faculty. (3) In the case of the award of *magna cum laude* and *summa cum laude* the Dean and the Committee of Six will review the entire record of candidates and will transmit to the Faculty their recommendations. Only students of marked distinction in both general work and in the field of honor studies will be recommended for the *summa cum laude* degree.

In exceptional cases, upon recommendation of the department in which the candidate has done his major work, the Committee of Six may recommend to the Faculty that a student be awarded a degree of honors for which he does not have the required average.

A student is expected to have a general average of at least 80 percent at the time he is accepted as a candidate for honors in a department or group. However, if the department concerned approves, a student whose average is below 80 percent may become a candidate for the degree with honors.

A candidate for a degree with honors may be permitted, at the discretion of the department in which he is majoring, to substitute in his junior year a conference course for one of his regular three- or four-hour courses, and in his senior year a conference course for one or two of his regular three- or four-hour courses.

NEW AMHERST CURRICULUM

TO BEGIN SEPTEMBER, 1966

Amherst College has adopted a new curriculum, to go into effect in September, 1966, which will drastically change present requirements for graduation. Although similar in substance and purpose, the new Amherst curriculum will be far more flexible than the old.

A detailed explanation of the new curriculum will be published during the 1965-66 academic year; however, secondary school students now making college plans should know that Amherst's present curriculum will not apply to those entering with the class of 1970.

The major changes are:

1. The former required program of the first two years—including the mathematics-physics, English, and social science courses—will be discontinued;
2. Students will complete three new one-semester courses, called Prob-

lems of Inquiry—one in each of the three divisions of learning (natural sciences, social studies, and the humanities)—during the first two years;

3. A student may begin a major in his freshman year;

4. Certain juniors and seniors with exceptional academic records will be released from all further college requirements and will complete their studies under the direction of a tutor;

5. Proficiency in a foreign language and physical education and completion of a comprehensive examination in the senior year will continue to be required;

6. While credit will not be given for advanced standing, exceptionally qualified students may graduate in three years.

MASTER OF ARTS

The degree of Master of Arts is conferred upon students who have received the Bachelor of Arts degree either from Amherst College or from another college which has similar requirements for the Bachelor of Arts degree, and who have met the requirements described below. Application forms and a detailed explanation of the requirements may be obtained from the Dean. The tuition charge for the Master of Arts degree is \$1,500.

REQUIREMENTS

To become a candidate for the Master of Arts degree, students are expected to have had at least a B average or its equivalent in their undergraduate work. They should secure approval of proposed courses of study from the Dean, the department concerned, and the Committee of Six, not later than the June preceding the opening of the college year in which they plan to begin work for this degree.


Candidates are required to complete at least eight semester courses of advanced character, or the equivalent, under the direction of the department concerned, to secure grades of at least B in every course, to spend a minimum of two semesters in residence at Amherst College, to prepare a satisfactory thesis, and to pass oral and written comprehensive examinations.

COOPERATIVE DOCTOR OF PHILOSOPHY

A cooperative Doctor of Philosophy program has been established by Amherst, Mount Holyoke, and Smith Colleges and the University of Massachusetts. The degree is awarded by the University of Massachusetts but some and perhaps much — and in a few exceptional cases even all — of the work leading to the degree might be done in one or more of the other institutions.

When a student has been awarded a degree under this program, the fact that it is a cooperative doctoral degree involving Amherst, Mount Holyoke, and Smith Colleges and the University of Massachusetts will be indicated

on the diploma, the permanent record, and all transcripts, as well as on the commencement program.

 The requirements for the degree are identical to those for the Ph.D. degree at the University of Massachusetts except for the statement relating to "residence." For the cooperative Ph.D. degree "residence" is defined as the institution where the dissertation is being done.

Students interested in this program should write to the Dean of the Graduate School at the University of Massachusetts. However, students who wish to work under the direction of a member of the Amherst Faculty must have their proposal approved by the Dean of Amherst College and by the Amherst Faculty Committee of Six.

FOUR-COLLEGE COURSES

Amherst has an arrangement with Mount Holyoke College, Smith College and the University of Massachusetts by which any of their regular courses is, under special circumstances, open to Amherst students. In addition, there are certain other *Cooperative Courses*, not necessarily regular courses at any of the institutions, which are, under special circumstances, open to Amherst students.

In general, *permission to take any such course will be given only to students who are, or who expect to be, candidates for the degree with honors.* In all cases, the approval of the student's major department and the Dean is required.

Students interested in such courses will find current catalogs of the other institutions at the Loan Desk of the Library and at the Registrar's Office. Application blanks may be obtained from the Registrar's Office.

Faculty Statement on Intellectual Responsibility

In order to cooperate with the Student Council in its efforts to maintain an honor system at Amherst College, the Faculty has voted the following statement and articles:

A Statement of Intellectual Responsibility Among Students at Amherst College:

The following Articles are an institutional expression of the basic fact that every man's education is the product of his own intellectual efforts. Amherst cannot educate a man who will not educate himself. Amherst sees no value in making its facilities available to a man who avoids the responsibility and opportunity for his own education. Every man who enrolls and remains at Amherst, therefore, understands that to submit work which is not his own violates the purpose of the College and of his presence there. No intellectual community can maintain its integrity or be faithful to its members if violations of its central purpose are for any reason tolerated.

This principle of intellectual responsibility applies to all work done by students.

ARTICLE I

This statement will be perpetuated in the Amherst College Bulletin, Student Handbook, and other publications deemed appropriate. The following affirmation will be printed on the course enrollment cards for every course; it must be signed before enrollment can be considered:

"I have read, understand, and accept the Statement of Intellectual Responsibility Among Students at Amherst College, and agree with this principle as it relates to this course.

..... (signed)"

ARTICLE II

Section 1. Examinations will not be proctored; orderly and honorable conduct of examinations will be the individual and collective responsibility of the students concerned, in accordance with the Statement above.

Section 2. The instructor may be present at examinations at appropriate times to answer any questions that arise.

ARTICLE III

In instances of purported or ascertained violation of the Statement of Intellectual Responsibility, the Student Council will, after proper scrutiny and deliberation, recommend the course of action to be followed, the recommendation being subject to the approval of the President of the College.

ARTICLE IV

The Student Council shall make provision for explaining the Statement of Intellectual Responsibility to incoming freshmen and to new members of the Faculty, and for publicizing and interpreting the Statement to the Student Body during the year. The Student Council will consider any problems of maintaining intellectual responsibility which are brought before them by the students. They will make any recommendations which they deem advisable for action by the Faculty and Administration. At some time each year the Council shall also be responsible for a serious review of the effectiveness of these procedures in promoting the central purpose of the College.



II

Courses of Instruction



Courses of Instruction

1965-1966

a. Freshman courses are numbered 1-20; sophomore courses 21-40; and junior and senior courses 41-80.

b. In general, odd-numbered courses are given in the first semester, and even-numbered courses in the second semester; the letter "S" after a number indicates that the number of the course is an exception to the usual numbering system.

c. Honors courses are offered to eligible juniors and seniors and are numbered 69, 70 and 79, 80 respectively. Election of these courses may be made only by candidates for a degree with honors unless exception is made by the department concerned and by the Dean.

Reading Courses

91, 92. SPECIAL TOPICS (INDEPENDENT READING COURSE)

1 to 4 credit hrs.

Departments may offer a semester or a year course known as SPECIAL TOPICS in which a student or a group of students study or read widely in a field of special interest. It is understood that this course will not duplicate any other course regularly offered in the curriculum and that the student will work in this course as independently as the director thinks possible.

(Procedure. Before the time of registration the student should consult the teacher in whose field of competence his subject comes and who will direct his work; they will decide the credit to be given, the title to be reported, the nature of the examination or term paper, and will discuss the preparation of a bibliography and a plan of coherent study. In the cases of Freshmen and Sophomores, the Deans will grant approval of election to exceptional students. Freshmen and Sophomores must obtain such approval before consultation with departmental representatives. All students must obtain final approval of the Department before registration.)

Elective in any semester. Two courses, however, may not be taken concurrently.

GROUP READING COURSES.

No credit

Under the direction of a member of the faculty, students may organize themselves into groups to read in a field of special interest. The title of such a course must be reported at the time of registration. At the discretion of the teacher, a final examination may be held or a paper assigned. Teachers must report for each student a final Pass or Fail which will appear on the student's transcript, together with the specific title of the course.

American Studies

Professors CARTER, DEMOTT, GIRSCH, KENNEDY, LATHAM, B. MORGAN*, C. MORGAN, MARX*, ROZWENC, WARD, WARNE, and ZIEGLER*; Associate Professors GREENE, HAWKINS*, KATEB and PITKIN; Assistant Professors GUTTMANN, JUERGENS, and HALSEY; Messrs. DINKELSPIEL, LEVIN and REED.

American Studies is a program which searches for an understanding of the relations among institutions, ideas, and artistic imagination within the American experience. By combining work in a number of the traditional scholarly disciplines it aims to place the student in a position where he can see and can make some statements about these relations.

A major in American Studies is required to develop a program of courses and independent reading which will enable him to pass a series of intensive written and oral examinations in the spring semester of the senior year. These examinations will cover two aspects of American civilization described as follows:

(1) A major in American Studies is expected to know the main forces which have shaped American life in every period of American history—from the first settlement at Jamestown to our contemporary society. Consequently an American Studies major must understand the basic political and social institutions of every period, the basic forms of economic organization, the competing myths and ideologies, and the programs of social action.

(2) A major in American Studies is expected to have studied the classic writings and other creative efforts in the American intellectual tradition. This includes significant works in literature, art, philosophy, and political and social theory.

Although the Department of American Studies regards the two semester courses in "The History of American Society" (History 33-34) as the nearest equivalent to a foundation course, majors in American Studies are expected to work out for themselves a program of study inside and outside of courses which will enable them to pass the intensive examinations of the senior year. Such a program of study should include a heavy emphasis on history and literature, and a disciplined knowledge of at least one other field *viz.*, economics, political science, sociology, philosophy, art, or music.

All majors in American Studies will be given a reading list which will be made available to them at the end of the sophomore year. At the beginning of the first semester of the senior year all majors in American Studies shall take a written examination on the works which appear on the reading list. Students who fail to perform satisfactorily in this examination in September will not be permitted to take either the *rite* or honors seminar in the senior year. Such students will be required to complete, on their own, an extended list of readings in preparation for an examination at the end of the senior year which will enable the Department of American Studies to determine whether or not they can be recommended for the degree of Bachelor of Arts.

* *Absent on leave, 1965-66.*

American Studies 72 is required of all majors in American Studies who are not admitted to the honors program and is to be taken in the senior year.

American Studies 70, 79 and 80 are required of all honors candidates. In conjunction with American Studies 79 and 80, each candidate shall write an original essay on a topic which has been approved by the Department.

21, 22. PROBLEMS IN AMERICAN CIVILIZATION.

Professors CARTER, GUTTMANN, GIRSCH, GREENE, HALSEY, JUERGENS, KATEB, PITKIN, ROZWENC, WARD, and WARNE; Messrs. DINKELSPIEL, LEVIN and REED.

A study of selected problems in American civilization. This course does not provide a survey of American history, but centers attention on a limited number of topics which are treated from various viewpoints, including the political, economic, and cultural. *Required for Sophomores. First and second semesters. Four credit hours each semester.*

24. THE AMERICAN ECONOMY. Professor NELSON. 4 credit hrs.
(Same course as Economics 24.) *Elective for Sophomores. Second semester.*

25. AMERICAN CONSTITUTIONAL DEVELOPMENT. 4 credit hrs.
Professor LATHAM.
(Same course as Political Science 25.) *Elective for Sophomores. First semester.*

27. POLITICAL PARTIES. Professor MAYHEW. 4 credit hrs.
(Same course as Political Science 27.) *Elective for Sophomores. First semester.*

31. AMERICAN GOVERNMENT. Professor ZIEGLER. 4 credit hrs.
(Same course as Political Science 31.) *Elective for Sophomores. First semester. (Omitted 1965-66.)*

33. THE HISTORY OF AMERICAN SOCIETY. 4 credit hrs.
Professor ROZWENC.
(Same course as History 33.) *Elective for Sophomores. First semester.*

34. THE HISTORY OF AMERICAN SOCIETY. 4 credit hrs.
Professor ROZWENC.
(Same course as History 34.) *Elective for Sophomores. Second semester.*

36. THE HISTORY OF AMERICAN EDUCATION. 4 credit hrs.
Professor HAWKINS.
(Same course as History 36.) *Elective for Sophomores. Second semester. (Omitted 1965-66.)*

42. LABOR ECONOMICS. Professor WARNE. 4 credit hrs.
(Same course as Economics 42.) *Elective for Sophomores. Second semester. (Omitted 1965-66.)*

43. AMERICAN LITERATURE. 4 credit hrs.
Professor GUTTMANN.
(Same course as English 43.) *Elective for Juniors. First semester.*

44. AMERICAN LITERATURE. Professor GUTTMANN. 4 credit hrs.
(Same course as English 44.) *Elective for Juniors. Second semester.*
- 45S. AMERICAN ART. Professor C. MORGAN. 3 credit hrs.
(Same course as Fine Arts 45.) *Elective for Juniors. Second semester.*
47. AMERICAN PHILOSOPHY. Professor KENNEDY. 3 credit hrs.
(Same course as Philosophy 47.) *Elective for Juniors. First semester.*
48. RELIGION IN AMERICA. Professor CARTER. 3 credit hrs.
(Same course as Religion 48.) *Elective for Juniors. Second semester.*
56. AMERICAN POLITICAL THOUGHT. Professor KATEB. 4 credit hrs.
(Same course as Political Science 56.) *Elective for Juniors. Second semester.*
57. THE SOUTH SINCE THE CIVIL WAR. 4 credit hrs.
Professor HAWKINS.
(Same course as History 57.) *Elective for Juniors. First semester. Limited to 25 students. (Omitted 1965-66.)*
59. SOCIETY AND POLITICS IN DE TOCQUEVILLE'S
AMERICA. Professor WARD. 4 credit hrs.
(Same course as History 59.) *Elective for Juniors. First semester.*
60. SOCIETY AND POLITICS IN THE ERA
OF THE NEW DEAL. Professor ROZWENC. 4 credit hrs.
(Same course as History 60.) *Elective for Juniors. Second semester. Limited to 15 students. (Omitted 1965-66.)*
61. FOUNDATIONS OF AMERICAN CIVILIZATION. 4 credit hrs.
Professor GREENE.
(Same course as History 61.) *Elective for Juniors. First semester.*
62. AMERICAN DIPLOMATIC HISTORY. 3 credit hrs.
Professor GREENE.
(Same course as History 62.) *Elective for Juniors. Second semester. (Omitted 1965-66.)*
64. AMERICAN ECONOMIC HISTORY. 4 credit hrs.
Professor AITKEN.
(Same course as Economics 64.) *Elective for Juniors. Second semester. Limited to 15 students.*
- 65S. READINGS IN AMERICAN LITERATURE. 4 credit hrs.
MR. GIRSCH.
(Same course as English 65S.) Requisite: English 43-44. *Elective for Juniors. Second semester. Seminar course limited to fifteen students, admission with the consent of instructor.*

66. READINGS IN AMERICAN LITERATURE. 4 credit hrs.
Professor MARX.
(Same course as English 66). Requisite: English 43-44. *Elective for Juniors. Seminar course limited to 15 students. Admission with the consent of the instructor. Second semester. (Omitted 1965-66.)*
68. THE PROGRESSIVE GENERATION. 4 credit hrs.
Professor GREENE.
(Same course as History 68.) *Elective for Juniors. Second semester. Limited to 15 students.*
70. INTRODUCTION TO HONORS WORK IN AMERICAN CIVILIZATION. Professor WARD and Mr. LEVIN. 4 credit hrs.
A study of classic writings in diverse areas of American Civilization plus modern works representing problems of methodology in the various disciplines within the American Studies program. One two-hour seminar weekly. *Elective for Juniors with the consent of the Department. Second semester.*
72. SEMINAR IN AMERICAN CIVILIZATION. 4 credit hrs.
Professor JUERGENS.
A study of selected topics in American Civilization including problems of methodology in the various disciplines within the American Studies program. One two-hour seminar weekly. *Elective for Seniors with the consent of the instructor. Second Semester.*
73. CONFERENCE COURSE IN AMERICAN INTELLECTUAL HISTORY. 4 credit hrs.
(Same course as History 73.) *Elective for Juniors. First semester. Admission by consent of the instructor only. (Omitted 1965-66.)*
74. CONFERENCE COURSE IN AMERICAN INTELLECTUAL HISTORY. 4 credit hrs.
(Same course as History 74). *Elective for Juniors. Second semester. Admission by consent of the instructor only. (Omitted 1965-66.)*
79. CONFERENCE COURSE IN AMERICAN CIVILIZATION
The Department. 6 credit hrs.
Honors work in American civilization. *Elective for Seniors with the consent of the instructor. First semester. Limited to fifteen students.*
80. HONORS. 6 credit hrs.
Elective for Seniors. Second semester.
91. SPECIAL TOPICS (Independent Reading Course) 1 to 4 credit hours.
First semester.
92. SPECIAL TOPICS (Independent Reading Course) 1 to 4 credit hours.
Second semester.

Anthropology

Associate Professor PITKIN.

21. INTRODUCTION TO ANTHROPOLOGY. 4 credit hrs.
Professor PITKIN.

A survey of the anthropological point of view regarding human biology, the development of human society, and variation among contemporary cultures. Three lectures a week. *Elective for Sophomores. First semester.*

- 21S. INTRODUCTION TO ANTHROPOLOGY. 4 credit hrs.
Professor PITKIN.

Same course as Anthropology 21. *Elective for Sophomores. Second semester.*

41. CULTURE AND PERSONALITY. Professor PITKIN 4 credit hrs.

An examination of theoretical and methodological issues concerning the relationship between personality and culture. Two-hour weekly seminar. *Elective for Juniors with approval of instructor. First semester. Limited to fifteen students.*

42. PEASANT SOCIETY AND CULTURE. 4 credit hrs.
Professor PITKIN.

A study of the concept of peasantry in addition to an analysis of a number of peasant societies drawn from both literature and the social sciences. Two-hour weekly seminar. *Elective for Juniors with approval of instructor. Second semester. Limited to fifteen students. (Omitted 1965-66.)*

44. ITALIAN SOCIETY AND CULTURE. 4 credit hrs.
Professor PITKIN.

An attempt to understand anthropologically a modern complex society. Visual as well as literary and documentary sources will be used. Two hour weekly seminar. *Elective for Juniors with permission of the instructor. Second semester.*

91. SPECIAL TOPICS (Independent reading course) 1 to 4 credit hrs.


92. SPECIAL TOPICS (Independent reading course) 1 to 4 credit hrs.

Asian and African Studies

The following regular Amherst College courses fall into the area of Asian and African Studies: Economics 54; History 27, 28, 39, 40 and 65; Political Science 24; Religion 44.

The following cooperative course will be offered at neighboring institutions:

FRENCH-AFRICAN LITERATURE. 392b.

 Professor CASSIRER.

Second semester. University of Massachusetts. A survey of the contemporary literature written in French by African writers, and of its literary and ideological background. To be given in French.

The following courses offered at neighboring institutions are selected from the many that come under the purview of the Asian and African Studies Program:

ANTHROPOLOGY 374s. CULTURES OF THE FAR EAST.

Professor FORTIER.

Second semester. University of Massachusetts.

ARABIC 101. MODERN LITERARY ARABIC.

Professor HADDAD.

First semester. Smith College. Grammatic construction, pronunciation, selected readings.

RELIGION 35a. HINDUISM AND BUDDHISM.

Professor CORWIN.

First semester. Smith College. Their philosophical and popular teachings about the divine, the world, and man in the periods of greatest influence in India, China, and Japan. Ritual observances, and methods of inner personal development. Modern thinkers and movements.

SOCIOLOGY 314a. FOLKLORE.

Professor MBATHA.

First semester. Smith College. Traditional forms of folk expression in their social and cultural setting. History and development of folklore analysis. Different approaches to folklore. Folklore in mass society. Children's culture as folklore.

A general statement of four-college courses will be found on page 9. A complete list of course descriptions and enrollment information may be obtained from the Registrar.

Astronomy

Professor LINNELL; Assistant Professors KOCH, SOBIESKI and STIENON;
Mr. ADLER.

A joint Astronomy Department provides instruction at Amherst, Mount Holyoke and Smith Colleges and the University of Massachusetts. Introductory courses are taught separately at the four institutions; advanced courses are taught jointly.

ASTFC indicates courses offered by the Four-College Astronomy Department. These courses are listed in the catalogs of all four institutions.

Two alternative programs are available leading to a degree in astronomy. One is the honors program, designed to meet the needs of the student who wishes to prepare for graduate work in astronomy or astrophysics, or who wishes a combined honors program with mathematics or physics. The other is the departmental major, for the student who wishes to study

astronomy largely for its cultural value, but who does not plan graduate study.

The facilities of all four institutions are available for thesis work. Should the needs of the thesis project so dictate, the department may arrange to obtain special materials from other observatories.

Honors: By the end of his sophomore year, the student should have completed Astronomy 22, Physics 24, and Mathematics 3. To arrange the balance of his undergraduate program, the student should consult with the department.

Major: This program requires less extensive training in physics and mathematics. A student interested in an astronomy major should choose his electives in consultation with the department.

The comprehensive examination will cover areas of astronomy and related fields chosen to fit the preparation of the individual student.

22. (ASTFC 22) DESCRIPTIVE ASTRONOMY. 4 credit hrs.

Professor LINNELL.

A description of our present knowledge of the universe and the means by which this knowledge has been obtained. The course considers the properties of the solar system, individual and multiple stars, interstellar matter, our galactic system, external galaxies, and the universe at large.

Occasional observing and demonstrations with the Spitz planetarium.

Three hours classroom work per week, and observing sessions or laboratories arranged during the semester. *Elective for Freshmen or Sophomores. Second semester.*

25. COMPUTER PROGRAMMING. 2 credit hrs.

(Same course as Science 25.) *Limited to 25 students. Elective for Sophomores. First semester.*

37. (ASTFC 37) ASTRONOMICAL OBSERVATION, REDUCTION, AND ANALYSIS I. The Staff. 3 credit hrs.

Fundamental astronomical catalogues and their uses; theory of the transit telescope; visual observation with the equatorial telescope and the transit; photography with the equatorial telescope; photographic photometry.

Three hours of classroom work per week. Some classroom hours will be replaced by observing sessions to be arranged.

Required of all astronomy majors. Requisite: Astronomy 22. *Elective for Juniors. First semester.* Location to be arranged. T, Th 2:15-3:30.

38. (ASTFC 38) ASTRONOMICAL OBSERVATION, REDUCTION, AND ANALYSIS II. 3 credit hrs.

The Staff.

Astronomical spectroscopy including line identification, plate calibration and radial velocity determination; photography of objective grating spectra; photoelectric photometry including determination of atmospheric extinction and extrapolation to stellar color indices and magnitudes outside the atmosphere; photoelectric light curves of variable stars.

Three hours of classroom work per week. Some classroom hours will be replaced by observing sessions to be arranged.

Required of all astronomy majors. Requisite: Astronomy 22. *Elective for Juniors. Second semester.* Location to be arranged. T, Th 2:15-3:30.

43. (ASTFC 43) MATHEMATICAL ASTRONOMY I. 4 credit hrs.
The Staff.

Basic topics in astronomy and astrophysics. Astronomical topics in atomic spectroscopy. Physics of radiation and radiative transfer. Basic considerations in the treatment of stellar interiors and atmospheres. Requisite: Astronomy 22, Physics 51. *Elective for Juniors and Seniors. First semester.*

Amherst—M, F 2:00-4:00, MORGAN.

44. (ASTFC 44) MATHEMATICAL ASTRONOMY II. 4 credit hrs.
The Staff.

Basic topics in astronomy. The restricted three body problem; advanced concepts in mechanics applicable to astronomical problems; stellar motions and stellar statistics. Requisite: Astronomy 43. *Elective for Juniors and Seniors. Second semester.*

Amherst—M, F 2:00-4:00, MORGAN.

79-80. CONFERENCE COURSES. The Department. 6 credit hrs.

Required of majors and honors students. *Elective for Seniors. First and second semesters.*

Biology

Professors KIDDER, WOOD and YOST; Associate Professors BROWER, HEXTER, and LEADBETTER; Assistant Professor WALLACE; DR. IVES.

Note: A major in biology will consist of at least 24 semester hours in biology together with any 8 semester hours in chemistry. Biology 27, 28, 41 and 42, preferably in sequence are required for majors. Under certain conditions these specific requirements may be modified with the approval of the department.

Honors work in biology is intended to offer an introduction to the purposes and methods of biological research. It is an excellent preparation for those students who wish to become professional scientists or who wish to acquire first-hand knowledge of the methods of modern science. Candidates for the degree with honors should have completed, by the beginning of senior year, Biology 27, 28, 41 and 42. Honors candidates must elect Biology 79, 80 and must complete by the end of senior year a minimum of 32 semester hours in biology.

The work for honors in biology consists of two main activities: (a) participation in a general and in a specialized seminar course in which the candidate reports on papers from current scientific periodicals; (b) an

original investigation under the direction of some member of the staff. The candidate writes a thesis presenting the results of his research to the whole department.

All majors must take a comprehensive examination during the senior year. The examination, which will cover the different areas of biology, may be either oral, written or a combination of the two, as determined by the department.

22. GENERAL BIOLOGY.

4 credit hrs.

Professor KIDDER.

An introduction to biological principles integrated with the first semester chemistry which is arranged as part of a program of liberal study. Recommended as a broad view of Biology for students planning *not* to take Biology 27, 28, 41 and 42; counts toward a major for those who enter Biology from this course. Three classroom hours and four hours of laboratory work per week. (Same course as Science 22). Requisite: Science 21 or Chemistry 31. *Elective for Sophomores. Second semester.*

27. GENETICS AND CYTOLOGY.

4 credit hrs.

Professors HEXTER and YOST.

A study of the facts of heredity, basic and advanced; principles of cellular structure based on a detailed analysis of the fine structure of cells; and consideration of the various hypotheses for the action of genes in the control of cellular and multi-cellular processes. Four classroom hours and four hours of laboratory work per week. *Elective for Sophomores.* Required for biology majors. Requisite: concurrent registration in Chemistry 21 or equivalent. *First semester.*

28. DEVELOPMENTAL BIOLOGY.

4 credit hrs.

Professors WALLACE and YOST.

A study of the development of animals and plants, leading to the formulation of the principles of development, and including an introduction to experimental embryology and developmental physiology. Four classroom hours and four hours of laboratory per week. Requisite: Chemistry 21 or its equivalent. *Elective for Sophomores.* Required for biology majors. *Second semester.*

35. ECOLOGY. Professor BROWER.

4 credit hrs.

A study of the interrelations of living organisms and their environment. The natural regulation of animal numbers, problems of population, natural selection, and the origin and distribution of species will be discussed. Three classroom hours and four hours laboratory or field work per week. Requisite: Biology 27 or the consent of the instructor. *Elective for Juniors. First semester.*

41. CELL BIOCHEMISTRY AND PHYSIOLOGY.

4 credit hrs.

Professors KIDDER and LEADBETTER.

A study of the physiology and biochemistry of general and specialized cell types. Four classroom hours and four hours laboratory per week. Requisite: one semester each of biology and chemistry, and concurrent

registration in Organic Chemistry. *Elective for Juniors*. Required for biology majors. *First semester*.

42. ORGANIC EVOLUTION.

4 credit hrs.

Professors WOOD and BROWER.

A study of organic evolution, citing examples of the types of evidence that demonstrate evolution; current fields of active study are investigated. Four classroom hours and four hours laboratory per week. Requisite: Biology 27. Required for biology majors. *Elective for Juniors*. *Second semester*.

47. COMPARATIVE PHYSIOLOGY. Professor WALLACE. 4 credit hrs.

A study of aspects of the functioning of various systems of selected animals, both vertebrate and invertebrate. Three classroom hours and four hours laboratory per week. Requisite: one semester of biology. *Elective for Juniors*. *First semester*.

54. BACTERIOLOGY. Professor LEADBETTER.

4 credit hrs.

A study of the ecology, physiology and biochemistry of microorganisms, with special emphasis on the non-pathogenic bacteria. Two classroom hours and eight hours laboratory. Requisite: Biology 41. *Elective for Juniors*. *Second semester*. *Limited to Twenty students*.

55. VERTEBRATE PALEONTOLOGY. Professor WOOD. 4 credit hrs.

The evolution of vertebrates as shown by the study of fossils, and the relationship of environment to evolution. Three classroom hours and four hours laboratory work per week. (Same course as Geology 55.) Requisite: one semester in biology or historical geology. *Elective for Juniors*. *First semester*.

58. BIOLOGY OF PROTOZOA. Professor KIDDER.

4 credit hrs.

A study of animal microorganisms with special emphasis on physiology, biochemistry and development. Three classroom hours and four hours laboratory per week. Requisite: Biology 41 and organic chemistry (which may be taken concurrently). *Elective for Juniors*. *Second Semester*. *Limited to 12 students*.

79, 80. BIOLOGY HONORS. The Staff.

4 credit hrs. first semester

8 credit hrs. second semester

All honors students will take this course. The work consists of a combined seminar, specialized seminars, and individual research. Students will elect one of the following specialized seminar courses, with the approval of the Department: Biochemistry and Microbiology, Evolution, Developmental Biology, Genetics, and Radiation Biology. The course is designed for honors candidates, but is open to other advanced students with the consent of the Department. Requisite: Biology 27, 28, 41 and 42. *Elective for seniors*. *First and second semesters*.

91. SPECIAL TOPICS (Independent Reading Course.) 1 to 4 credit hrs.
First semester.
92. SPECIAL TOPICS (Independent Reading Course.) 1 to 4 credit hrs.
Second semester.

Biophysics

Advisory Committee: Professors BENSON and YOST; Associate Professors KROPF (Chairman), LEADBETTER and SILVER.

A student may receive the A.B. degree from Amherst with an inter-departmental major in biophysics. This program is designed for a few capable students who either wish the breadth of experience this program provides or who wish to prepare for graduate study in this field. The course of study is organized around those course offerings of the various science departments whose disciplines are fundamental to work in biophysics.

By the end of his sophomore year, the student should have completed Biology 27, Chemistry 31, 32, Mathematics 3 and Physics 24 or their equivalents. During his junior and senior years, his elections should include Biology 41, Chemistry 43, 44, 47 and 48 and Physics 31. He should plan to elect at least two more courses in the fields of Biology, Physics and/or Mathematics, depending upon his interest and inclination. It is very important that a prospective biophysics major consult with the chairman of the advisory committee as early in his academic career as possible in order to determine his course selections. He may choose to do his senior honors work with any faculty member in any of the various science departments who is interested in this program and willing to direct thesis work in this area. The comprehensive examination will be administered by a committee made up of representatives of the science departments involved in the program.

- 79, 80. SENIOR HONORS COURSE. 2 to 8 credit hrs. per semester
Minimum total 8 credit hrs.

The work consists of a seminar dealing with problems of current interest in biophysics and the preparation of a thesis based upon an individual investigation under the direction of a faculty member.

Chemistry

Professors BEEBE and WHITNEY; Associate Professors KROPF, LANGFORD and SILVER; Assistant Professors FINK and RICHARDS.

A student considering a major in chemistry should seek the advice of a member of the Department as early as possible, preferably during his

freshman year. This will help the student elect a program which best fits his interests and abilities and which makes full use of his previous preparation. Programs can be arranged for students considering careers in chemistry, biochemistry, biophysical chemistry, chemical physics, medical research, medicine, and secondary school science teaching.

The minimum requirements for a major in Chemistry are Chemistry 31 or 31s, 32, 43, 44, 47, 48, Mathematics 3 and Physics 23 or 24.

A candidate for the degree with honors must also elect Chemistry 61, 72, 79, and 80. Generally an honors candidate will complete the courses required of a major by the end of the junior year. It is highly desirable that an honors candidate, especially if his field of interest is physical chemistry, elect Physics 24, and also one or more additional semesters of physics and mathematics. Honors candidates will attend the chemistry seminar during their junior and senior years, participating in it actively in the senior year. At this seminar, discussions of topics of current interest will be conducted by staff members, visitors and students.

In the senior year an individual thesis problem will be selected by the honors candidate in conference with some member of the Department. Current areas of research in the department are: chemistry at surfaces of bone and other absorbents, gas-solid chromatography, chemistry of the visual process, mechanism of organic reactions especially enzyme-catalyzed processes, structure and reactivity of coordination compounds, nuclear chemistry, chemistry of atomic and molecular beam interactions, and mechanisms of energy transfer in the gas phase.

Each candidate will submit a thesis based upon his research work. Recommendations for the various levels of honors will be made by the Department on the basis of the thesis work and the comprehensive examination.

For a student planning graduate work in chemistry, honors and a reading knowledge of German and/or Russian are desirable. (A student may satisfy the minimum standards of the American Chemical Society by taking an honors program and by obtaining a reading knowledge of German.)

21. Same Course as Science 21.
Professors BEEBE and LANGFORD.

4 credit hrs.

31. ELEMENTARY CHEMICAL THERMODYNAMICS. *4 credit hrs.*
Professors KROFF, LANGFORD and RICHARDS.

A systematic treatment of the laws of thermodynamics with emphasis upon their usefulness in describing chemical systems at equilibrium. There will be some discussion of the relationship between the laws of thermodynamics and the molecular theory of matter. Laboratory work will illustrate the principles discussed in class as well as providing the student with experience in quantitative technique. Chemistry 31 and 32 constitute a full-year program providing a general introduction to Chemistry. Three hours lecture, one hour of recitation and four hours of laboratory per week. Requisite: Science 2 or Physics 5 or the equivalent; Science 21 or a good

high-school preparation in chemistry; concurrent registration in Mathematics 3. *First semester.*

31s. Same description as Chemistry 31.

4 credit hrs.

Professors KROFF, BEEBE, RICHARDS and FINK.

Elective for Freshman with the consent of the instructor. Second semester.

32. INTRODUCTION TO INORGANIC CHEMISTRY. 4 credit hrs.

Professors LANGFORD and BEEBE.

The inorganic chemistry of aqueous solutions will be discussed using thermodynamic concepts and simple atomic theory. Topics include introductory atomic theory, the periodic law, electrolyte solutions, electrochemical cells and the chemistry of selected metals, and some topics in non-metal chemistry. The laboratory includes problems in synthetic and analytical chemistry. Three hours lecture, one hour recitation, and four hours laboratory per week. Requisite: Chemistry 31 or 31s. *Second semester.*

43. ORGANIC CHEMISTRY. Professors WHITNEY and SILVER.

4 credit hrs.

General theory of organic chemistry, preparation of typical organic compounds, and introduction to organic qualitative analysis. Three hours classroom and four hours laboratory work per week. Requisite: Chemistry 31 or 31s. *First semester.*

44. ORGANIC CHEMISTRY. Professors WHITNEY and SILVER.

4 credit hrs.

A continuation of Chemistry 43. Requisite: Chemistry 43. *Second semester.*

47. MODERN PHYSICAL CHEMISTRY.

4 credit hrs.

Professors FINK and KROFF.

Elementary quantum mechanics and statistical thermodynamics of atomic and molecular systems, modern chemical kinetics. Topics include atomic structure, molecules and the chemical bond, thermodynamic functions of ensembles of localized and non-localized systems, and the statistical treatment of reaction rates. The laboratory includes the quantitative study of spectra of atoms and molecules, of electrical and magnetic properties of organic and inorganic compounds, and of the kinetics of chemical reactions. Three hours of lecture and discussion, four hours of laboratory per week. Requisite: Chemistry 31 and a semester of Physics beyond Physics 1-2. Physics 24 and Chemistry 32 are recommended. *First semester.*

48. MODERN PHYSICAL CHEMISTRY. Professors FINK and KROFF.

4 credit hrs.

A continuation of Chemistry 47. Requisite: Chemistry 47. *Second semester.*

61. PRINCIPLES OF CHEMICAL INSTRUMENTATION.

Professor RICHARDS.

4 credit hrs.

The instrumental solution of problems encountered in analyses of chemical systems will be discussed. Modern instrumental methods will be studied together with their theory of operation. Significant design features of representative apparatus will be examined enabling generalized research principles to be realized. Two lecture and two laboratory periods per week. *Requisite: Chemistry 47; may be taken concurrently with the consent of the instructor. First semester.*

72. SELECTED TOPICS—MOLECULAR STRUCTURE AND REACTION MECHANISM.

The Department

2 credit hrs.

Problems in molecular structure and reaction mechanism that are common to both organic chemistry and inorganic chemistry will be covered. Two hours lecture per week. *Admission with the consent of instructor. Second semester.*

79. HONORS COURSE. The Department.

2 to 6 credit hrs.

Elective for honors candidates, and for others with the consent of the Department. First semester.

80. HONORS COURSE. The Department.

6 credit hrs.

Elective for honors candidates, and for others with the consent of the Department. Second semester.

Classics

Professor J. MOORE; Assistant Professors MARSHALL* and LAWALL; Mr. SIMPSON.

Note: All courses offered by the Department which are numbered 5 or higher may be used to satisfy the sophomore humanities requirement.

All courses offered by the Department may be counted toward a major except those numbered 1, 1S, 3, and 4; however, if both Greek 3 and Greek 4 have been elected, one of the two may be counted. A major may be entirely in Greek or entirely in Latin and will then consist of eight semester courses, two of which may be in related fields. A major in Classics will consist of eight semester courses in the Classics, which may be divided in any proportion between Greek and Latin, except that not less than two may be taken in either language. Every *rite* student majoring in the Classic Department, whether in Classics, Greek, or Latin, will write a comprehensive examination in the spring of his senior year. This examination will in general resemble the honors examination described below, except that of course there will be no questions specifically on the candidate's honors work.

Honors may be awarded to those candidates who major in Greek or in Latin or in Classics and who take eight semester courses in the Department. Every honors candidate must include in his program those courses numbered 41, 42, 79 and 80 in either Greek or Latin. He must submit a

* Absent on leave 1965-66.

long essay (6000-7000 words) on some topic connected with his honors work and approved by the Department. He must have read extensively in Greek or Latin literature or both. He must also read independently, i.e., not as a part of the work in a course, approximately 50 pages of some Greek or Latin text selected with the approval of the Department. Early in May he will be given a written examination covering: a) his honors work; b) his reading in the Classical literatures. The emphasis in this examination will be on the literary and historical interpretation of major authors; there will be considerable latitude of choice between various optional questions. The award of honors will be determined by the quality of the candidate's course work, of his essay, and of his performance in the general examination.

The Department will cooperate with other departments in giving combined majors with honors.

The statement of requisites given below is intended only to indicate the degree of preparation necessary for each course, and exceptions will be made in special cases.

23. CLASSICAL CIVILIZATION.

Professor MOORE.

3 credit hrs.

A study of the civilization of Greece from Homer to Alexander and its contribution to the civilization of the West. Readings from Greek literature will be included among the materials of the course. No knowledge of the ancient languages is required. Three hours of classroom work per week. *Elective for Sophomores. First semester. (Omitted 1965-66.)*

24. CLASSICAL CIVILIZATION. Professor MARSHALL. 3 credit hrs.

A study of Roman civilization and its contribution to the civilization of the West. Readings from Latin literature will be included among the materials of the course. No knowledge of the ancient languages is required. three hours of classroom work per week. *Elective for Sophomores. Second semester. (Omitted 1965-66.)*

Greek

For students beginning the study of Greek the following sequences of courses are normal: Either 1, 4, 3, or 1s, 3, 4.

1. INTRODUCTION TO THE GREEK LANGUAGE. 4 credit hrs.

Mr. SIMPSON.

Attic Greek. Four hours of classroom work per week. (This course is normally followed by Greek 4.) *Elective for Freshmen. First semester.*

1S. INTRODUCTION TO THE GREEK LANGUAGE. 4 credit hrs.

Professor MOORE.

Homeric Greek. Four hours of classroom work per week. (This course is normally followed by Greek 3.) *Elective for Freshmen. This course requires the consent of the instructor. Second semester.*

3. THE ILIAD. Professor LAWALL. 4 credit hrs.
 Requisite: Greek 1s or 4. Four hours of classroom work per week.
Elective for Freshmen. First semester.
4. PLATO'S APOLOGY. Professor LAWALL. 4 credit hrs.
 Requisite: Greek 1 or 3. Four hours of classroom work per week.
Elective for Freshmen. Second semester.
5. GREEK TRAGEDY. Mr. SIMPSON. 4 credit hrs.
 One or two tragedies will be read. Requisite: Greek 4 or its equivalent.
 Three one-hour class meetings per week. *Elective for Freshmen. First semester.*
6. READINGS FROM THE ODYSSEY AND FROM THE LYRIC POETS. Professor MOORE. 4 credit hrs.
 Requisite: Greek 5 or its equivalent. Three one-hour class meetings per week. *Elective for Freshmen. Second semester.*
21. STRUCTURE AND IDIOM OF THE GREEK LANGUAGE. 2 credit hrs.
 This course is designed to strengthen and refine the student's mastery of the Greek language. There will be two principal types of exercise, viz.: a) translation of English passages into Greek and original composition in Greek; and b) close scrutiny of selected passages of classic Greek prose. One hour of classroom work per week. *Elective for Sophomores. First semester. (Omitted 1965-66.)*
22. STRUCTURE AND IDIOM OF THE GREEK LANGUAGE. 4 credit hrs.
 Mr. SIMPSON.
 A continuation of Greek 21. One hour of classroom work per week. *Elective for Sophomores. Second semester.*
- 41, 42. ADVANCED READINGS IN GREEK LITERATURE. 4 credit hrs.
 Mr. SIMPSON.
 The authors read in these courses vary from year to year, the selection being made according to the interests and needs of the students. Examples: Plato's *Republic*; lyric poetry, including Pindar and Bacchylides; Demosthenes and Thucydides; Aeschylus' *Oresteia*; the writers of the Archaic Period. Prerequisite: Greek 5. *Seminar course; elective for Juniors. First and second semesters.*
- 79, 80. SENIOR HONORS COURSE. 6 credit hrs.

Latin

- 1S. INTRODUCTORY COURSE. 4 credit hrs.
 A rapid introduction to the Latin language. Three one-hour meetings per week. *Elective for Freshmen. Second semester. (This course requires the consent of the instructor.) (Omitted 1965-66.)*

3. INTERMEDIATE COURSE. Professor MOORE. 4 credit hrs.

Review of Latin grammar; selections from Latin prose and poetry. Requisite: Latin 1S, or two or three entrance units in Latin. Four one-hour class meetings per week. *Elective for Freshmen. First semester.*

5. CICERO'S PRO CAELIO; SELECTIONS FROM CATULLUS.

Professor LAWALL. 4 credit hrs.

Attention will be given to Cicero and Catullus as literary artists and as interpreters of the society of the late Republic. Requisite: Latin 3, or four entrance units in Latin. Three one-hour class meetings per week. *Elective for Freshmen. First semester.*

6. VIRGIL'S ECLOQUES AND HORACE.

Professor LAWALL. 4 credit hrs.

Requisite: Latin 5, or four entrance units in Latin. Three one-hour class meetings per week. *Elective for Freshmen. Second semester.*

21S. STRUCTURE AND IDIOM OF THE LATIN LANGUAGE.

Mr. SIMPSON. 2 credit hrs.

A course designed to strengthen and refine the student's mastery of the Latin language. There will be two principal types of exercise, viz.: a) translation of English passages into Latin and composition in Latin; and b) close scrutiny of selected passages of classic Latin prose. One hour of classroom work per week. *Elective for Sophomores. Second semester.*

22. STRUCTURE AND IDIOM OF THE LATIN LANGUAGE.

Professor MARSHALL. 2 credit hrs.

A continuation of Latin 21. One hour of classroom work per week. *Elective for Sophomores. Second semester. (Omitted 1965-66.)*

27. LATIN POETRY: LYRIC AND PASTORAL. 2 credit hrs.

(Same course as English 27.)

Intended for students of literature who wish to acquire some knowledge of the influence of Latin poetry on the English literary tradition. Poems of Catullus, Horace, and Virgil will be read and interpreted from a literary point of view, and attention will be paid to similar poems in English. Students must have some knowledge of Latin and some familiarity with poetry. Two hours of classroom work per week. *Elective for Sophomores. First semester. Limited to fifteen students. Those interested should obtain the consent of the instructor. (Omitted 1965-66.)*

28. VIRGIL'S AENEID. Mr. SIMPSON. 4 credit hrs.

At least three books will be read in Latin with close attention to the text, and the whole poem will be studied in translation. The emphasis of the course will be on Virgil's poem as a work of literature and as an expression of classical civilization. Requisite: Latin 3 or 27 or the consent of the instructor. Three regular one-hour class meetings per week; a fourth meeting for students who may need special help with the language. *Elective for Sophomores. Second semester.*

41, 42. ADVANCED READINGS IN LATIN LITERATURE.

Professor LAWALL.

4 credit hrs.

The authors read in these courses vary from year to year, the selection being made according to the interests and needs of the students. Examples: Livy and Tacitus; Roman Satire; Roman Comedy; Propertius and Tibullus; Cicero's philosophical works. Requisite: Latin 5 or 6 or the consent of the instructor. Two or three hours of classroom work per week. *Elective for Juniors. First and second semesters. Seminar course.*

79, 80. SENIOR HONORS COURSE.

6 credit hrs.

Dramatic Arts

Professors BOUGHTON, MCGOUN and ROGERS

Note. Majors: Students majoring in Dramatic Arts must complete Dramatic Arts 23, 25, 26, 43, 44, and either 71, 72 or 79, 80.

Courses in other departments recommended for major students: English 25, 26, 41; Fine Arts 23, 24, 25; French 29, 43, 44; Music 46; Theater 37a, 37b (Smith).

Honors: Honors projects may be developed in consultation with members of the department.

Dramatics 23 or 23S may be used in satisfaction of the sophomore humanities requirement and will be prerequisite for all other courses in the department.

A comprehensive examination on dramatic literature in its historical context and its expression through the theater arts will be required of all majors.

23. INTRODUCTION TO THE THEATER ARTS.

3 credit hrs.

Professors BOUGHTON, MCGOUN and ROGERS.

A consideration of the materials of creative expression in drama. An investigation into the arts of the theater. Three hours of classroom work per week. *First semester.*

23S. INTRODUCTION TO THE THEATER ARTS.

3 credit hrs.

(Same as Dramatic Arts 23.) *Second semester.*

25S. BACKGROUNDS OF THE MODERN DRAMA.

3 credit hrs.

Professors BOUGHTON and MCGOUN.

The origins and development of the drama from the Greeks to the 18th century. Requisite: Dramatic Arts 23 or 23S. Three hours of classroom work per week. *Second semester.*

26. MODERN DRAMA. Professor BOUGHTON and MCGOUN. 3 credit hrs.

18th century to the present. Requisite: Dramatic Arts 23 or 23S. Three hours of classroom work per week. *Second semester. (Omitted 1965-1966.)*

43. PRINCIPLES OF DRAMATIC PRODUCTION. 3 credit hrs.
Professors BOUGHTON, MCGOUN and ROGERS.

A study of directing, acting, scene design and stage lighting considered as instruments of dramatic interpretation. Requisite: Dramatic Arts 23 or 23S. Three hours classroom work per week. *First semester.*

44. PRINCIPLES OF DRAMATIC PRODUCTION. 3 credit hrs.
Professors BOUGHTON, MCGOUN and ROGERS.

Continuation of Dramatic Arts 43. Requisite: Dramatic Arts 43. Three hours of classroom work per week. *Second semester.*

71. ADVANCED STUDY. The Department. 4 credit hrs.

Advanced work in one of the following fields of Dramatic Arts: Directing, Scene Design, Stage Lighting, Dramatic Literature. Classroom meetings, reports and conferences, projects. Limited to 15 students. *Elective for Juniors with the consent of the department. First semester.*

72. ADVANCED STUDY. The Department. 4 credit hrs.

Continuation of Dramatic Arts 71. *Elective for Juniors with the consent of the Department. Second semester.*

79. CONFERENCE COURSE. The Department. 4-8 credit hrs.

Conference course for students majoring in Dramatic Arts. Selected topics of study. *Elective for Seniors with the consent of the Department. Required of candidates for honors. First semester.*

80. CONFERENCE COURSE. The Department. 4-8 credit hrs.

Continuation of Dramatic Arts 79. *Elective for Seniors with the consent of the Department. Required of candidates for honors. Second semester.*

Economics

Professors AITKIN, COLLERY, NELSON, and WARNE†; Visiting Professor BARBER; Associate Professor KÖHLER; Assistant Professor ADAMS.

The following courses are required for a major in Economics:

For the class of 1966:

Rite Students: Economics 21, 43, 73, 74

Honor Students: Economics 21, 43, 79, 80

For the class of 1967 and succeeding classes:

Rite Students: Economics 21, 24 or 70, 43, 45*, 73, 74

Honor Students: Economics 21, 24 or 70, 43, 45*, 79, 80

* Other preparation in statistics may be substituted for Economics 45 with the consent of the Department.

Each candidate for a degree in Economics will have to pass a comprehensive examination by the end of the first semester of his senior year, and he will be examined on the contents of his thesis at the close of his senior year.

† Absent on leave first semester 1965-66.

18. INTRODUCTION TO THE ANALYSIS
OF ECONOMIC PROBLEMS.

1 credit hr.

A course designed to acquaint the student with the major approaches of economists to questions of economic policy and analysis. Primarily offered for those who will be unable to enroll in Economics 21. One class hour per week. *Elective for Seniors. Second semester. (Omitted 1965-66.)*

21. AN INTRODUCTION TO ECONOMICS.

4 credit hrs.

Professors ADAMS, AITKEN, COLLERY and KÖHLER (Course Chairman).

A study of the central functions and problems of an economic system, of the principles and practices of our own economy, and of other forms of economic organization and control. One lecture and three hours of discussion each week. Prerequisite or corequisite for all other courses in economics, except Economics 18. *First semester.*

21S. AN INTRODUCTION TO ECONOMICS.

4 credit hrs.

Professors COLLERY (Course Chairman), KÖHLER and NELSON.

Same description as above. *Second semester.*

24. THE AMERICAN ECONOMY. Professor NELSON.

4 credit hrs.

An examination of the structure and operation of the economic system of the United States, with particular emphasis upon the different types of markets and industrial structures, the role and behavior of the price mechanism, the evolution of public policies, and selected current economic issues. Two lectures and two hours of discussion each week. Requisite: Economics 21. *Second semester.*

26. CONSUMER ECONOMICS. Professor WARNE.

4 credit hrs.

A historical study of the consumer in economic theory and practice. One two-hour seminar each week. Requisite or corequisite: Economics 21. *Second semester.*

41. COMPARATIVE ECONOMIC SYSTEMS.

4 credit hrs.

Professor WARNE.

A study and comparison of the principal types of economic systems with special emphasis upon the position of labor in each. Requisite or corequisite: Economics 21. One two-hour seminar each week. *First semester. (Omitted 1965-66.)*

42. LABOR ECONOMICS. Professor WARNE.

4 credit hrs.

A survey of the position of labor in our modern economy and of the development and status of labor legislation and social security measures. Three lectures and one hour of discussion each week. Requisite or corequisite: Economics 21. *Second semester. (Omitted 1965-66.)*

43. MONEY, BANKING, AND NATIONAL INCOME.

4 credit hrs.

Professor COLLERY.

A study of money and finance and their relation to the functioning of an economic system. An introduction to the theory of income determination with an indication of the role that money and finance play in the determi-

nation of employment, production and prices. Requisite: Economics 21 or the permission of the Department. Four class hours per week. *First semester.*

44. PUBLIC FINANCE AND BUSINESS CYCLES. *4 credit hrs.*
Professor ADAMS.

An analysis of the nature and causes of business fluctuations and of their economic and social effects. A study of taxing, spending and debt policies of government units and their relationship to both business fluctuations and long-run behavior of the economic system. Four class hours per week. Requisite: Economics 21. *Second semester.*

45. ECONOMIC STATISTICS. *4 credit hrs.*

A study of the analysis of quantitative data, with special emphasis on the application of statistical methods to economic problems. Four class hours per week. Requisite: Economics 21. *First semester. (Omitted 1965-66.)*

46. ACCOUNTING. Professor NELSON. *1 credit hr.*

A study of the principles of accounting as related to corporate finance, and elementary investment analysis. Extensive work with actual corporate material. One hour of classroom work per week. Requisite: Economics 21. *Second semester. Limited to 25 students. (Omitted 1965-66.)*

51. MONOPOLY REGULATION. Professor NELSON. *3 or 4 credit hrs.*

The theory of monopoly pricing and of price discrimination; objectives and methods of public control of prices, profits, and service by public utilities and transportation agencies. Three hours of classroom work per week. Requisite: Economics 21. *First semester.*

53. INTERNATIONAL TRADE AND PAYMENTS. *4 credit hrs.*
Professor KÖHLER.

A study of the economic relationships among countries with special emphasis on theoretical analysis: the balance of payments and the foreign exchange market including price and income effects in the balance of payments adjustment process; the theory of international trade; policy problems of trade restrictions, external vs. internal balance and international monetary cooperation. Four hours of classroom work per week. Requisite: Economics 21. *First semester.*

54. ECONOMIC DEVELOPMENT. Professor BARBER. *4 credit hrs.*

An examination into the problems of economic growth with particular reference to less developed countries; the interaction of economic and noneconomic factors, population growth and the labor force, capital requirements, market development, foreign investment and aid, and the role of government. Case materials from selected Asian and African countries will be used. Requisite: Economics 21. *Second semester.*

55S. INTRODUCTION TO MATHEMATICAL ECONOMICS
AND ECONOMETRICS. *4 credit hrs.*

An introduction to some areas of mathematical economics, such as input-output analysis, linear programming, and dynamic analysis; and to

problems of econometric model construction and estimation. Emphasis is placed on the economic content of the methods. No previous knowledge of mathematics beyond elementary calculus is required. Four hours of classroom work per week. Requisite: Economics 21. *Second semester.*

63. EUROPEAN ECONOMIC HISTORY. 4 credit hrs.

Professor AITKEN.

An examination of the economic development of Europe from feudal times to the present day with emphasis on the evolution of industrialism. Four hours of classroom work per week. Requisite: Economics 21. *Elective for non-majors with the consent of the Department. First semester.*

64. AMERICAN ECONOMIC HISTORY. 4 credit hrs.

Professor AITKEN.

A study of the economic development of the United States from the colonial period to the present day. Four hours of classroom work per week. Requisite: Economics 21. *Elective for non-majors with the consent of the Department. Second semester.*

66. THE ECONOMICS OF SOCIALISM. 4 credit hrs.

Professor KÖHLER.

A study of the theory and practice of planned economies with particular reference to the Soviet Union. Requisite: Economics 21. Four hours of classroom work per week. *Second semester.*

68. COMPARATIVE ECONOMIC HISTORY. 4 credit hrs.

Professor AITKEN.

Comparative analysis of the historical development of a number of national economies, with particular reference to changes in economic structure and productivity. One two-hour seminar each week. Requisite: Economics 21. *Second semester.*

70. THEORY OF PRICE. Professor ADAMS. 4 credit hrs.

An introduction to the theory of utility and demand; the nature of cost and the production function; diminishing returns and short-run cost curves; returns to scale and long-run cost curves; competitive pricing; the pricing of productive services; the theory of monopoly; the theory of oligopoly; cartels and unions; the distribution of income; general equilibrium. One two-hour seminar per week. Requisite: Economics 21. *Elective for non-majors with the consent of the Department. Second semester.*

73. SENIOR RITE SEMINAR. HISTORY OF ECONOMIC THOUGHT. 4 credit hrs.

Professors ADAMS, AITKEN, COLLERY, KÖHLER, and NELSON (Course Chairman).

An examination of the contributions to the development of economics made by such economists as Adam Smith, David Ricardo, Karl Marx, Alfred Marshall, and Lord Keynes. Special attention will be paid to the

environmental influences on their intellectual development. *Required of senior rite majors in Economics; open to other students by permission of the Department. First semester.*

74. SENIOR RITE SEMINAR. The Department. *6 credit hrs.*

Preparation of a thesis on a topic approved by the department. *Required of all Seniors majoring in Economics who are not candidates for Honors. Second semester.*

79. ECONOMICS HONORS. *4 credit hrs.*

Professors ADAMS, AITKEN, COLLERY, KÖHLER, and NELSON (Course Chairman).

A study of the development of economic thought as exemplified in the writings of a few selected economists, e.g., Smith, Ricardo, Marx, and Keynes, with emphasis placed on the analytical content. In addition to this survey several special fields of economics will be treated. *Required of all Seniors majoring in Economics who are candidates for Honors. Elective for others with permission of the Department. First semester.*

80. ECONOMICS HONORS. The Department. *8 credit hrs.*

Preparation of a thesis on a topic approved by the Department. *Required of all Seniors majoring in Economics who are candidates for Honors. Second semester.*

91. SPECIAL TOPICS (Independent Reading Course.) *1 to 4 credit hrs. First semester.*

92. SPECIAL TOPICS (Independent Reading Course.) *1 to 4 credit hrs. Second semester.*

Education

Professor KENNEDY; Associate Professors GROSE and HAWKINS*; Assistant Professor OLVER.

36. THE HISTORY OF AMERICAN EDUCATION. *4 credit hrs.*
Professor HAWKINS.

(Same course as History 36.) *Elective for Sophomores. Limited to 25 students. Second semester. (Omitted 1965-66.)*

41. PHILOSOPHY OF EDUCATION. Professor KENNEDY. *3 credit hrs.*
(Same course as Philosophy 41.) *Elective for Sophomores. First semester.*

43S. EDUCATIONAL PSYCHOLOGY. Professor GROSE. *4 credit hrs.*
(Same course as Psychology 43S.) *Requisite: Psychology 21. Elective for Juniors with consent of the instructor; limited to fifteen students. Second semester.*

47S. DEVELOPMENT PSYCHOLOGY. *4 credit hrs.*
Professor OLVER.

(Same course as Psychology 47S.) *Requisite: Psychology 21. Elective for Juniors. Second semester.*

* Absent on leave 1965-66.

English

Professors BAIRD, CRAIG, DEMOTT, MARK*, and McKEON; Visiting Professor REID; Associate Professors CAMERON, CODY, HEATH and PRITCHARD; Assistant Professors CHICKERING, GIRSCH, GUTTMANN and TOWNSEND; Messrs. BILLINGS, HILL and SOFIELD

Note: All students majoring in English must elect English 21-22 and eight other semester courses offered or approved by the English Department; among these eight other courses the English major must elect English 41 or English 42, and one of the following: English 49, English 53, English 57. Candidates for honors in English, in addition to fulfilling the preceding requirements, must elect English 25-26, English 70, and, in their senior year, English 79-80.

English 21, 22, 25 or 26 may be taken in satisfaction of the sophomore humanities requirement.

The comprehensive examination in English, required of both majors and honors candidates, will be given in January of the senior year. It will examine the student in two general ways.

In one way the examination will be factual, objective, informational. Its purpose is to promote those regular habits of study through which the student of literature as a matter of course acquaints himself with such matters of fact as authors' names and dates, exact titles and dates of major works, the common varieties of verse, major literary forms, etc.

In another way the examination will test the student's awareness of the historical development of English and American literature. It will do so by requiring him to arrange in chronological order, to date as closely as he can, and to characterize briefly with respect to their periods a number of passages in both verse and prose from the 16th century to the present. Some passages will be from works that all candidates will have read, selected from a reading list distributed at the end of sophomore year. Some passages will not be drawn from the reading list. They will be characteristic of the periods in which they were written and will parallel in form or style contemporaneous works on the list, but they will be treated "at sight"—they will come from works that few candidates will be likely to have read. The reading list for the comprehensive examination includes required works (insufficient for passing the examination) together with suggestions for further reading.

The examination as a whole will ascertain whether students of American and English literature know, in the simplest and most obvious terms, where they have been and what they have been reading in their preceding semesters of study.

1. COMPOSITION.

2 credit hrs.

Professors BAIRD (Chairman), CAMERON, CHICKERING, CODY, CRAIG,

* *Absent on leave 1965-66.*

GIRSCH, GUTTMANN, HEATH, PRITCHARD, and TOWNSEND; and Messrs. BILLINGS, HILL and SOFIELD.

Three hours of classroom work per week. *Required of Freshmen. First semester.*

2. COMPOSITION.

2 credit hrs.

Professors BAIRD (Chairman), CAMERON, CHICKERING, CODY, CRAIG, GIRSCH, GUTTMANN, HEATH, PRITCHARD, and TOWNSEND; and Messrs. BILLINGS, HILL and SOFIELD.

Two hours of classroom work per week. Requisite: English 1. *Required of Freshmen. Second semester.*

21. INTRODUCTION TO LITERATURE.

3 credit hrs.

Professors BAIRD, CAMERON, CHICKERING, CODY (Chairman), CRAIG, DEMOTT, HEATH, PRITCHARD, and TOWNSEND; Messrs. BILLINGS, HILL, and SOFIELD.

The aim of this course is to teach critical reading of literature in a historical sequence. Required for a major in English. Alternate course in humanities sequence. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

22. INTRODUCTION TO LITERATURE.

3 credit hrs.

Professors CAMERON, CHICKERING, DEMOTT, HEATH (Chairman), PRITCHARD, and TOWNSEND; Messrs. BILLINGS, HILL, and SOFIELD.

A continuation of English 21. Requisite: English 21. Required for a major in English. Alternate course in Humanities sequence. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

23. ADVANCED COMPOSITION. Visiting Professor REID. *4 credit hrs.*

A course in disciplined writing, both prose and verse. Students are expected to work independently without specific assignments. Class discussions of manuscripts and frequent conferences with the instructor. One two-hour meeting per week. *Elective for Sophomores with the consent of the instructor. First semester. Limited to fifteen students.*

24. ADVANCED COMPOSITION. Visiting Professor REID. *4 credit hrs.*

A continuation of English 23. One two-hour meeting per week. *Elective for Sophomores with the consent of the instructor. Second semester. Limited to fifteen students.*

25. SHAKESPEARE. Professor BAIRD.

3 credit hrs.

A reading of the plays in a chronological order. Emphasis on Shakespeare's development as dramatist and poet. Requisite: A grade of B in a previous English course. Alternate course in humanities sequence. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

26. SHAKESPEARE. Professor BAIRD.

3 credit hrs.

A continuation of English 25. Requisite: English 25. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

41. THE RENAISSANCE: THE SIXTEENTH CENTURY.

Professor CODY.

4 credit hrs.

A study of Renaissance narrative, especially Spenser's *The Faerie Queene* and the major Elizabethan dramas. *Elective for Juniors. First semester.*

42. THE RENAISSANCE: THE SEVENTEENTH CENTURY.

Professor CODY.

4 credit hrs.

A study of the poetry of Milton and of the Metaphysical Poets in relation to some religious and philosophic assumptions of the seventeenth-century writer. Three one hour meetings per week. *Elective for Juniors. Second semester.*

43. AMERICAN LITERATURE.

4 credit hrs.

Professor GUTTMANN.

A survey of American literature from the seventeenth century to 1900 with emphasis on major figures. Pre-requisite for English 44. Three hours of classroom work per week. *Elective for Juniors. First semester.*

44. AMERICAN LITERATURE.

4 credit hrs.

Professor GUTTMANN.

A continuation of English 43. Requisite: English 43. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

45. READINGS IN THE ENGLISH NOVEL.

4 credit hrs.

Professor CAMERON.

A study of some major works, mainly of the nineteenth century. *Three hours of classroom work per week. Elective for Juniors. First semester.*

49S. CHAUCER. Professor CHICKERING.

4 credit hrs.

Chaucer's major works in the original. Four hours of classroom work per week. *Elective for Juniors, and for Sophomores who have a grade of B in English and who plan to become candidates for the degree with honors in English. Second semester.*

52S. MODERN POETRY. Professor PRITCHARD.

3 credit hrs.

A study of the poetry and relevant critical writings of Yeats, Pound, Eliot, Frost and Wallace Stevens. Some attention will be given to contemporary poets. Three hours of classroom work per week. *Elective for Juniors. First semester.*

53S. LITERATURE AND SOCIETY, 1660-1740.

3 credit hrs.

Professor PRITCHARD.

A study of the prose and poetry of the Restoration and earlier eighteenth century. Principal authors will be Dryden, Swift, and Pope; some attention will be paid to lesser figures. *Elective for Juniors. Second semester.*

55. READINGS IN NINETEENTH CENTURY CONTINENTAL

FICTION. Professor DEMOTT.

3 credit hrs.

Balzac, Stendhal, Tolstoy, Turgenev and Dostoevski are among the authors studied. Three hours of classroom work per week. *Elective for Juniors. First semester.*

56. COMEDY. Professor DEMOTT. 3 credit hrs.

Congreve, Chekhov and Shaw are among the playwrights studied. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

57. READINGS IN ROMANTIC POETRY. 4 credit hrs.

Professor HEATH.

A study of selected major poets from Blake to Byron, with attention to the relevance of biographical knowledge. *Elective for Juniors. Seminar course limited to 15 students. First semester.*

62. READINGS IN MODERN FICTION. 3 credit hrs.

Professor CRAIG.

A study of some novels written in the twentieth century and a consideration of the novelist's position in modern society. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

65S. READINGS IN AMERICAN LITERATURE. 4 credit hrs.

Professor GIRSCH.

A study of major American writers in their cultural context; the particular authors considered will vary from year to year. Requisite: English 43-44. *Elective for Juniors. Seminar course limited to 15 students, admission with the consent of the instructor. Second semester.*

66. READINGS IN AMERICAN LITERATURE. 4 credit hrs.

Professor MARX.

A study of major American writers in their cultural context; the particular authors considered will vary from year to year. Requisite: English 43-44. *Elective for Juniors. Seminar course limited to 15 students, admission with the consent of the instructor. Second semester. (Omitted 1965-66.)*

68S. READINGS IN NINETEENTH CENTURY LITERATURE.

Professor CRAIG.

4 credit hrs.

Readings of selected major authors in relation to some documents of intellectual and social history. In 1965-66 the authors to be read will be Charles Dickens and Henry James. *Elective for Juniors. One two-hour meeting per week. Limited to 15 students. First semester.*

70. AN INTRODUCTION TO LITERARY STUDIES. 4 credit hrs.

Professor TOWNSEND.

A study of the characteristics of literary knowledge as illustrated in the theory and practice of selected major critics and scholars. Three hours of classroom work per week. *Required for Juniors who intend to become candidates for honors in English. Others require permission of the instructor. Second semester.*

73. CREATIVE WRITING. The Department. 2 credit hrs.

Continuation of English 23-24. An advanced course in disciplined writing, both prose and verse. Students are to work independently without specific assignments. Fortnightly individual conferences with instructor.

Limited to fifteen students. Requisite: English 23-24 and the consent of the instructor. *Elective for Juniors. First semester.*

74. CREATIVE WRITING. The Department. 2 credit hrs.

Continuation of English 73. Limited to fifteen students. Requisite: English 73 and consent of the instructor. *Elective for Juniors. Second semester.*

79. CONFERENCE COURSE. The Department. 4 credit hrs.

Elective for Seniors. First semester.

80. CONFERENCE COURSE. The Department. 4 credit hrs.

Elective for Seniors. Second semester.

91. SPECIAL TOPICS. (Independent Reading Course). 1 to 4 credit hrs.

First semester.

92. SPECIAL TOPICS. (Independent Reading Course). 1 to 4 credit hrs.

Second semester.

Fine Arts

Professors C. MORGAN, ROGERS, and TRAPP; Associate Professor SCHMALZ*.
Visiting Assistant Professors BYNG and OFFNER.

Note: A major in fine arts consists of six semester courses in the department, including Fine Arts 23 or 26 and Fine Arts 25 or 25S and two semester courses in allied fields. Individual interdepartmental combinations will be arranged for students planning further work in archaeology, art conservation and similar specialized fields. Honors in fine arts will include the foregoing with the addition of Fine Arts 79-80. Fine Arts 25 or 25S is normally the prerequisite for all advanced courses in the historical aspect of the subject except for Fine Arts 42; and Fine Arts 23 or 26 is normally the prerequisite for all advanced courses in the technical aspects of the field.

In view of the diversity of elections within the major and the opportunity of applying credit for courses taken at neighboring institutions towards the fulfillment of the major, the Fine Arts Department will devise comprehensive examinations appropriate to the course elections of each student.

Fine Arts 25 or 25S may be used in satisfying the Sophomore humanities requirement.

23. ELEMENTARY TECHNIQUE AND DESIGN. 3 credit hrs.

Professor ROGERS.

Design, composition and line and form drawing in pencil, charcoal, crayon, pen and ink, and chalk. One lecture and two two-hour laboratory periods per week. No previous training required. *Elective for Sophomores. First semester.*

* Absent on leave 1965-66.

24. WATERCOLOR. Professor ROGERS. 3 credit hrs.

Elementary color theory and technique of water color painting. Requisite. Fine Arts 23 or the consent of the instructor. One lecture and two two-hour laboratory periods per week. *Elective for Sophomores. Second semester.*

25. SURVEY OF THE HISTORY OF ART. 3 credit hrs.

Professor MORGAN.

The development of the major arts from the earliest time to the present day, with a special emphasis on the manner in which they reflect the successive civilizations that produced them. Three hours of classroom work per week. Students in this course interested in applying some of its principles in the form of gallery problems and elemental drawing may elect an additional one hour section weekly for one additional credit hour, a total of four credit hours for the course. *Elective for Sophomores. First semester.*

25S. INTRODUCTION TO THE HISTORY OF ART. 3 credit hrs.

Professor TRAPP.

A topical examination of works of painting, sculpture and architecture selected from a variety of contexts intended to develop the student's ability to respond to the individual work of art in critical, as well as historical terms. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

26S. INTRODUCTORY STUDIO. Professor OFFNER. 3 credit hrs.

A series of projects in drawing and design to introduce fundamental problems of description, organization, and artistic expression. Various mediums and techniques will be introduced. One two-hour class period per week, plus outside reading and practice assignments. No prior studio experience is required or special talent expected. *Elective for Sophomores. First semester.*

41. MAJOR ARCHITECTURAL DEVELOPMENTS FROM THE
MIDDLE AGES TO MODERN TIMES. 3 credit hrs.

A careful consideration of the major styles and examples of European architecture from the 10th to the 18th centuries. Particular attention is given to the interpretation of architectural imagery as a reflection of the human concerns of a given period. Three hours of classroom work per week. *Elective for Juniors. (Omitted 1965-66.)*

42. FOUR GREEK SITES. Professor C. MORGAN. 3 credit hrs.

A study of Athens, Corinth, Delphi and Olympia with especial reference to their development and their contribution to the art and culture of classical civilization. Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1965-66.)*

43. RENAISSANCE ART. Professor TRAPP. 3 credit hrs.

A selective examination of the form and content of European art from the early 15th to the end of the 16th centuries, with emphasis upon the major artists of Italy. Two one-hour lectures and one seminar session per week. Requisite: Fine Arts 25 or 25S, or permission of the instructor. *Elective for Juniors. First semester.*

44S. AMERICAN ART. Professor C. MORGAN. 3 credit hrs.

American architecture, sculpture and painting in America from the 17th century to the present day. Three hours of classroom work per week. *Elective for Juniors. Second semester.*

46. ANCIENT ARTS. 3 credit hrs.

A comparative study of the emergence, development and diffusion of artistic styles in East and West from Pre-Historic times to the Early Christian era. Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1965-66.)*

48. OIL PAINTING. Professor BYNG. 3 credit hrs.

A series of studio projects exploring a variety of techniques and forms of expression in oil painting. Relationship with master works will be considered where relevant, but the emphasis will increasingly stress the development of the student's individual powers of observation and interpretation. Two two-hour studio periods per week. Requisite: Fine Arts 23 or 26 or permission of the instructor. *Elective for Juniors. Second semester.*

49S. MICHELANGELO. Professor C. MORGAN. 1 credit hr.

A study of the artist, his works and his background. One lecture a week and reading. *Elective for Juniors. Second semester.*

50. BAROQUE AND ROCOCO ART. Professor TRAPP. 3 credit hrs.

A study of major figures and movements in European art of the 17th and 18th centuries. Three hours of classroom work per week. Requisite: Fine Arts 25 or 25S or permission of instructor. *Elective for Juniors. Second semester.*

55. PROBLEMS IN MODERN EUROPEAN ART. 3 credit hrs.
Professor TRAPP.

A selective examination of major figures and movements in the development of European painting from Neo-Classicism to Impressionism, with emphasis on problems in criticism. Two one-hour lecture periods per week and one weekly afternoon meeting of approximately two hours for discussion. Outside reading and written assignments. Requisite: Fine Arts 25 or 25S, or permission of the instructor. *Elective for Juniors. First semester. (To alternate with 56S. Omitted 1965-66.)*

56S. MODERN ART. Professor TRAPP. 3 credit hrs.

A selective examination of major figures and movements in the development of modern art from Post-Impressionism to the present, with emphasis

upon problems in criticism. Two one-hour lecture periods per week and one weekly afternoon meeting of approximately two hours for discussion. Requisite: Fine Arts 25 or 25S or permission of the instructor. *Elective for Juniors. First semester. (To alternate with 55.)*

57. PROBLEMS IN CRITICISM. Professor TRAPP. *3 credit hrs.*

A study of original works of art, chiefly from the College Collections, intended to sharpen visual perception, establish critical principles and clarify verbal judgments. Requisite: 25 or 25S or 26S or consent of the instructor. One two-hour meeting per week. *Elective for Juniors. First semester.*

58. TOPICS IN ART HISTORY. *3 credit hrs.*

A critical examination of a variety of art historical literature dealing with painting, sculpture and architecture. The chief aim of the course is to provide a deeper understanding of the methods, purpose and meaning of art history and its relationship to the history of ideas. Requisite: Fine Arts 25 or 25S, or permission of the instructor. One two-hour seminar per week. *Elective for Juniors. Second semester.*

79, 80. SPECIAL STUDIES FOR STUDENT MAJORING IN
FINE ARTS. *4 credit hrs.*

French

Professors CARRE, FRENCH, FUNNELL, and TURGEON; Associate Professor GIORDANETTI*, Assistant Professors ARCHAMBAULT* and COTTRELL; Mr. JUNG; and Assistants

Note: All rite majors in French are required to elect 30 semester hours of courses offered or approved by the department, including French 7 and 8, but excluding French 1 and 3. All honors candidates are required to elect courses 7 or 8, 10 or 12, 43, 44, 49, 50, 79 and 80. This course program may be adjusted in certain cases. The comprehensive examination, required of all majors, is given in May of the senior year. In addition, candidates for departmental honors must present a thesis and sustain an oral examination on the thesis. A reading list will be furnished to aid in preparation for the examination.

A combined major in two languages may be arranged by consultation with the department. For a student whose primary foreign language is French, the major must include twenty credit hours in French exclusive of French 1 and 3; in the second language it must include ten hours, of which at least three must deal with literature. A comprehensive examination covering both fields will be given. A reading list will be made up to suit individual cases to aid in the preparation for the examination.

Requirements for Sophomores in Humanities. The following courses are ap-

* Absent on leave 1965-66.

proved as satisfying the Humanities requirement in sophomore year: any course numbered above 5, except French 10, 12, 21 and 22.

1. ELEMENTARY COURSE.

4 credit hrs.

Professor TURGEON and assistants.

Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration, four hours per week in small sections and laboratory for oral practice. *Elective for Freshmen. First semester.*

3. INTERMEDIATE COURSE.

4 credit hrs.

Professor COTTRELL and assistants.

Review of grammar and pronunciation; oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, three hours per week in small sections and laboratory for drill in aural comprehension of the language. *Elective for Freshmen. First semester.*

3S. INTERMEDIATE COURSE.

4 credit hrs.

Professor COTTRELL and assistants.

Same description as above. *Elective for Freshmen. Second semester.*

5. ADVANCED COURSE.

4 credit hrs.

Professors CARRE and COTTRELL; Mr. JUNG and assistants.

The purpose of this course is to complete the student's training in fluent reading and in aural comprehension, and to work toward a control of the fundamentals of oral and written expression. Reading of significant fiction, plays, and essays from the modern period. Three hours per week in class and three hours per week in small sections and laboratory for oral and aural drill. Conducted in French. *Elective for Freshmen. First semester.*

5S. ADVANCED COURSE.

4 credit hrs.

Professor CARRE, Mr. JUNG, and assistants.

Same description as above. *Elective for Freshmen. Second semester.*

7. INTRODUCTION TO FRENCH LITERATURE THROUGH THE SEVENTEENTH CENTURY.

4 credit hrs.

Professor COTTRELL.

Reading and discussion of selected texts from *La Chanson de Roland* through the Age of Classicism. Conducted in French. Requisite: Satisfaction of the language requirement. Three hours of classroom work per week. *Elective for Freshmen. First semester.*

8. INTRODUCTION TO FRENCH LITERATURE SINCE THE SEVENTEENTH CENTURY.

4 credit hrs.

Professor COTTRELL.

Reading and discussion of selected texts. Concentration will be on the eighteenth and nineteenth centuries with, as time permits, some introductory materials from the twentieth century. Conducted in French. Requisite: Satisfaction of the language requirement. Three hours of classroom work per week. *Elective for Freshmen. Second semester.*

10. INTERMEDIATE COMPOSITION AND CONVERSATION.

Professor TURGEON and assistants.

4 credit hrs.

A review of French grammar with practice in set translation and free composition; oral reports on selected topics. Three hours per week of composition and two of oral practice. Requisite: Satisfaction of the language requirement in French. May not be elected after French 12. *Elective for Freshmen. Second semester.*

12. ADVANCED COMPOSITION AND CONVERSATION.

Professor CARRE and assistants.

4 credit hrs.

Practice in free composition and in set translation of examples of a variety of styles; oral reports on selected topics. Three hours per week of composition and two of practice in conversation. Requisite: French 10 or permission of the instructor. *Elective for Sophomores, and for Freshmen with permission of the instructor. Second semester.*

17. THE NINETEENTH CENTURY NOVEL.

3 credit hrs.

Professor CARRE.

The reading will include at least one novel each by Balzac, Stendhal and Flaubert, with others, as time permits, chosen from the eighteenth and later nineteenth centuries. Conducted in French. Requisite: satisfaction of the language requirement. Three hours of classroom work per week. *Elective for Freshmen. First semester.*

19. INTRODUCTION TO MODERN LITERATURE.

4 credit hrs.

Mr. JUNG.

An introductory literature course with emphasis on the study of types: novel, short story, theatre, poetry. Class examination of each type will be followed by study of other examples of the type done independently. Lectures and discussion groups. Conducted in French. Requisite: satisfaction of the language requirement. Three hours of classroom work per week. *Elective for Freshmen. First semester.*

19S. MODERN LITERATURE. Professor COTTRELL.

4 credit hrs.

Same description as above. *Elective for Freshmen. Second semester.*

21, 22. READING COURSE.

4 credit hrs.

Professor TURGEON.

A year course open to those who have already satisfied their language requirement in another language and who desire a reading knowledge of French. Four hours of classroom work per week. *Elective for Sophomores. First and second semesters.*

25S. FRENCH LYRIC POETRY. Professor FUNNELL.

2 credit hrs.

Medieval lyrics; poems by François Villon, Ronsard, du Bellay and Chénier; the chief Romantic and Parnassian poets of the nineteenth century. Requisite: French 7 or 8 or 17 or 19(S). Two hours of classroom work per week. *Elective for Sophomores. Second semester in alternate years.*

27S. ASPECTS OF THE TWENTIETH CENTURY NOVEL.

Professor CARRE.

3 credit hrs.

Readings from Mauriac, Malraux, Sartre, Camus, and representatives of the *nouveau roman*. Conducted in French. Requisite: French 7 or 8 or 17 or 19(S). Two hours of classroom work per week. *Elective for Sophomores. Second semester.*

29. FRENCH DRAMA SINCE 1890. Professor TURGEON. 3 credit hrs.

A survey of the principal trends in the modern theater with extensive readings from such authors as Claudel, Romains, Giraudoux, Anouilh, and Sartre. Requisite: French 7 or 8 or 17 or 19(S). Two hours of classroom work per week. *Elective for Sophomores. First semester in alternate years. Limited to fifteen students.*

43. FRENCH CLASSIC TRAGEDY—CORNEILLE AND RACINE.

Professor TURGEON.

4 credit hrs.

A study will be made of the history of the French theater in the seventeenth century and of the development and theory of classic tragedy, with detailed analysis of the principal tragedies of Corneille and Racine. Requisite: French 7 or 8 or 17 or 19(S). Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. First semester in alternate years. Limited to twenty-five students. (Omitted 1965-66.)*

44. FRENCH CLASSIC COMEDY—MOLIÈRE.

4 credit hrs.

Professor TURGEON.

A detailed study of the principal comedies of Molière, and of the comic spirit as exemplified in LaFontaine and Boileau. Requisite: French 7, 8, 17 or 19(S). Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. Second semester in alternate years. Limited to twenty-five students. (Omitted 1965-66.)*

48. POETRY SINCE BAUDELAIRE. Professor FUNNELL. 2 credit hrs.

Baudelaire, the Symbolists, a few prominent poets of the twentieth century. Requisite: French 7 or 8 or 17 or 19(S). Two hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. Second semester in alternate years. (Omitted 1965-66.)*

49. FRENCH LITERATURE OF THE RENAISSANCE. 4 credit hrs.

Professor FRENCH.

Readings in Rabelais, Montaigne and the poets of the 16th century. Conducted in French. Requisite: French 7 or 8 or 17 or 19(S). Three hours of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. First semester in alternate years. Limited to twenty-five students.*

50. FRENCH LITERATURE OF THE EIGHTEENTH CENTURY.

Mr. JUNG.

4 credit hrs.

The literature of the Age of Enlightenment, with concentration upon

Voltaire, Rousseau, Diderot. Conducted in French. Requisite: French 7 or 8 or 17 or 19(S). Three hours of classroom work per week. *Elective for Juniors and, with consent of the instructor, for Sophomores. Second semester in alternate years. Limited to twenty-five students.*

51. ALBERT CAMUS. Professor CARRE. 1 credit hr.

Requisite: French 7 or 8 or 17 or 19S. One hour of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. First semester in alternate years. (Omitted 1965-66.)*

53. MARCEL PROUST. Professor CARRE. 1 credit hr.

Requisite: French 7 or 8 or 17 or 19S. One hour of classroom work per week. *Elective for Juniors and, with the consent of the instructor, for Sophomores. First semester in alternate years.*

55. FRENCH LITERATURE OF THE MIDDLE AGES. 3 credit hrs.
Professor FUNNELL.

A study of the epic, lyric, and dramatic literature of the Medieval period, including some material from the chroniclers. Most of the reading will be in modern French versions, with some readings to be in the original. Requisite: French 7 or 8 or 17 or 19(s). Two hours of classroom work per week. *Elective for Juniors and, with consent of the instructor, for Sophomores. First semester.*

79. CONFERENCE COURSE FOR SENIORS. 4 to 6 credit hrs.
First semester.

80. CONFERENCE COURSE FOR SENIORS. 4 to 6 credit hrs.
Second semester.

91. SPECIAL TOPICS. (Independent Reading Course). 1 to 4 credit hrs.
First semester.

92. SPECIAL TOPICS. (Independent Reading Course). 1 to 4 credit hrs.
Second semester.

Geology

Professors BAIN, FOOSE (Chairman), and WOOD; Associate Professor BROPHY*; Assistant Professor HAND; Mr. SHERIDAN.

Geology 21 and 22 are courses designed both to meet the needs of the liberal arts major in a field of science and to provide a firm foundation for the advanced courses normally taken only by the geology major. Geology 21, in particular, is designed to be relevant in an age in which most educated persons may expect to travel extensively and to observe or be intimately involved with many aspects of the Earth.

* *Absent on leave 1965-66.*

A major in geology will take Geology 23, 24, 41 and 52 and usually Geology 44 and 49. In addition to the College requirements, the minimum requirements by the department in the related sciences are Mathematics 3, Chemistry 31, and Physics 23 or 24. Inasmuch as levels of preparation may vary widely, any student who contemplates a major in Geology is urged to discuss his interest with the Departmental Chairman as early as possible. This will help him elect a program that best fits his preparation, interests, and abilities.

Within the framework of Geology 52 each senior will complete a thesis on a subject involving independent study and research. Those students who are admitted to the honors program may substitute their honors study and research for this requirement.

At the end of the senior year each major shall take a comprehensive examination, both written and oral, not to exceed six hours in length. Part I, of three hours duration, will encompass those subjects considered to form the basic body of knowledge in the science. Part II, of two hours duration, will include questions that synthesize geologic knowledge or deal specifically with the major interest of the student. Part III, of no more than one hour duration, will be an oral examination by the staff and invited guests.

Students proceeding to graduate school should take the graduate record examination early in their senior year and should be aware of most graduate school requirements of reading proficiency in two languages—usually French, German, or Russian, and of attendance at an accredited summer field camp in geology.

21. PRINCIPLES OF GEOLOGY. Professor FOOSE. 4 credit hrs.

A study of the geologic processes operating on and under the earth's surface, and the character and origin of the earth's major features and its mineral resources. Principles will be studied and major features examined both in the laboratory and the field. Three hours classroom; three hours laboratory (or field) each week, and one all-day field trip. *Elective for Sophomores. First semester.*

21S. PRINCIPLES OF GEOLOGY. Professor FOOSE. 4 credit hrs.

Same as 21. *Elective for Freshmen. Second semester.*

22. HISTORICAL GEOLOGY. Professor HAND. 4 credit hrs.

The history of the development of the continents, the succession of plants and animals, and the evolution of life during the geologic past. Four hours of classroom and two hours laboratory work per week. Requisite: Geology 21. *Elective for Sophomores. Second semester.*

22S. HISTORICAL GEOLOGY. Professor HAND. 4 credit hrs.

Same as 22. *Elective for Sophomores. First semester.*

23. MINERALOGY. Mr. SHERIDAN. 4 credit hrs.

A study of minerals and crystals with emphasis on atomic structural classification, the course will require identification of minerals and knowl-

edge of their distribution, origin and use. Laboratory utilizes chemical and physical properties, including X-ray diffraction, and will utilize the petrographic microscope to study crystalline matter under polarized light for purposes of identification. Four hours classroom and two hours directed laboratory per week. Requisite: Geology 21 or permission of the instructor. *Elective for Sophomores. First semester.*

24. PETROLOGY. Mr. SHERIDAN. 4 credit hrs.

Microscopic and specimen study of sedimentary, igneous, and metamorphic rocks and their physico-chemical relationships. The geology of selected areas will be studied with the petrographic microscope during the laboratory. One two-day field trip required, as well as trips of lesser duration. Three hours classroom and four hours of laboratory work per week. Requisite: Geology 23. *Elective for Sophomores. Second semester.*

30. MINERAL RESOURCES IN WORLD AFFAIRS. 2 credit hrs.
Mr. SHERIDAN.

Distribution and use of soils, ground-water, metallic and non-metallic mineral deposits, and mineral fuels, and the role they assume in world affairs today. Two hours classroom and one hour of laboratory work per week. *Elective for Sophomores. Second semester. (Omitted 1965-66.)*

41. STRUCTURAL GEOLOGY. Professor FOOSE. 4 credit hrs.

A descriptive and analytical study of sedimentary and igneous rock structures, and of the causes of deformation within the context of regional tectonic frameworks. Geologic structures will be studied and mapped in the field in areas of sedimentary and metamorphic rocks during the laboratory. Two hours classroom and four hours laboratory each week. Requisite: Geology 24. *Elective for Juniors with the consent of the instructor. First semester.*

44. SEDIMENTOLOGY AND STRATIGRAPHY. 4 credit hrs.
Professor HAND.

A study of the features of modern sediments and the interpretation of sedimentary rocks and occurrence of resources in stratified rocks. Three hours classroom and four hours laboratory work per week. Requisite: Geology 22. *Elective for Juniors. Second semester.*

45S. MINERAL DEPOSITS. Professor BAIN. 4 credit hrs.

A study of the origin and distribution of bodies that contain minerals essential to modern industrial life. Three hours classroom and four hours laboratory per week. Requisite: Geology 24. *Elective for Juniors. Second semester.*

47. GEOLOGY OF AFRICA. Professor BAIN. 4 credit hrs.

A study of the region south of the Alpine mountain chains, its relation both to South America and to the western Indian Ocean, its resource potential for our industrial age and exposition of the Gondwana problem. Requisites: Geology 21 and 22. *Elective for Juniors. First semester.*

48. GEOLOGY OF SOUTH ASIA AND AUSTRALASIA.

Professor BAIN.

4 credit hrs.

A study of the region south of the Himalayan mountain chains, its physical problems, its resource potential for our industrial age, and inquiry into the isolation of Australasia. Requisites: Geology 21 and 22. *Elective for Juniors. Second semester.*

49. INVERTEBRATE PALEONTOLOGY. Professor HAND 4 credit hrs.

The identification, relationships, occurrence, and use of fossil invertebrate animals and plants. Three hours classroom and four hours laboratory work per week. Requisite: Geology 22. *Elective for Juniors. First semester.*

52. FIELD GEOLOGY. Professor FOOSE.

4 credit hrs.

Theory and application of the techniques and methods available to the geologist for measurement of earth features and phenomena (2 hrs.). Independent geological mapping program in nearby area with senior thesis required (2 hrs.). (Honors program may be substituted for the senior thesis.) Four hours field (or laboratory) work each week. Requisite: Geology 41. *Second semester.*

55. VERTEBRATE PALEONTOLOGY. Professor WOOD. 4 credit hrs.

The evolution of vertebrates as shown by the study of fossils, and the relationship of environment to evolution. Three hours classroom and four hours laboratory work per week. (Same course as Biology 55.) Requisite: Geology 22. *Elective for Juniors. First semester.*

79, 80. GEOLOGY HONORS. The Staff. *First semester 2 to 4 credit hrs.**Second semester 3 to 8 credit hrs.**Minimum total 6 credit hrs.*

Independent research on a geologic problem within any area of staff competence. A dissertation of high quality will be required. A seminar covering a broad spectrum of geologic problems or world regions is included. *Elective for seniors who meet the requirements of the honors program.*

91, 92. SPECIAL TOPICS (Independent Reading Course) 1 to 4 credit hrs.

Both semesters

German

Professors PEPPARD and SCENNA; Associate Professor WHITE.

Note: The following courses may be used to satisfy the Humanities requirement in sophomore year: German 7, 21, 22, 23, 24, 32, 33, 35, 36.

Major for students not candidates for the degree with honors. The major must include thirty credit hours, not counting those of courses 1 and 3. Eight of these credits may be in approved courses outside the Department.

A major in German will take a written examination in May of his senior year. A reading list will be suggested to aid in the preparation for this examination.

The examination will be based on the following:

- 1) major works of Lessing, Goethe, and Schiller;
- 2) representative works by authors of the 19th century;
- 3) works by an author of the candidate's choice.

A major must also demonstrate his ability to write correct German.

Honors: The aim of honors work in German is to offer the candidate the opportunity

- a) to explore a chosen field or fields through a more extensive program of readings than is possible in course work;
- b) to organize material for himself along historical or analytical lines, usually in the form of a thesis or essay;
- c) to acquire a general view of the history and development of German, either as language or literature.

The goal of this work is not necessarily to produce graduate students, unless a candidate has definitely decided upon doing graduate work. The program of the senior year is organized on the basis of individual conferences, in which the candidate benefits from personal attention.

Each candidate will present a thesis or essay on an approved topic. It may deal critically with the work of a specific author; it may treat the development of an idea in historical form; it may be a study of some particular literary form.

Each candidate will take, early in May, a written general examination on the history of German literature, which will also include questions in his chosen field. The result of this examination together with the excellence of the thesis or essay will determine the degree of honors for which the Department will recommend the candidate.

Candidates for the degree with honors should elect German 21, 22, 23, 24, 28, 44, 79, 80. They are urged to study one ancient or other modern foreign language.

1. ELEMENTARY COURSE. Professor PEPPARD. 4 credit hrs.

Grammar, pronunciation, oral practice. Three hours per week for explanation and demonstration, and three hours per week in the language laboratory for oral practice. *Elective for Freshmen. First semester.*

3. INTERMEDIATE COURSE. Professor WHITE. 4 credit hrs.

Review of grammar and pronunciation, oral practice. Reading and analysis of selected texts. Three hours per week for explanation and demonstration, and three hours per week in small sections for drill in aural comprehension of the language. Assignment to this course will be made on the basis of the score in the CEEB Achievement Test. *Elective for Freshmen. First semester.*

3S. INTERMEDIATE COURSE. Professor PEPPARD. 4 credit hrs.

Same description as above. Requisite: German 1, or its equivalent. *Elective for Freshmen. Second semester.*

5. ADVANCED COURSE. Professor SCENNA. 4 credit hrs.

Reading and analysis of selected texts. Three hours per week for demon-

stration and explanation, and three hours per week in small sections for oral practice and discussion. Stress will be placed on the acquisition of aural comprehension of the language and oral drill. Conducted in German. Requisite: A satisfactory score in the CEEB Achievement Test, or German 3, or the equivalent. *Elective for Freshmen. First semester.*

Note: Freshmen will be assigned to German 1, German 3, or German 5 on the basis of the score in the CEEB Achievement Test and previous training. Part of the drill in these courses will be in the language laboratory.

5S. ADVANCED COURSE. Professor SCENNA. 4 credit hrs.

Same description as above. Requisite: German 3 or its equivalent. *Elective for Freshmen. Second semester.*

7. INTRODUCTION TO GERMAN LITERATURE. 4 credit hrs.
Professor WHITE.

Reading and discussion of selected literary texts. This course will be conducted in German. Requisite: satisfaction of the language requirement. Four hours of classroom work per week. *Elective for Freshmen. First semester.*

7S. INTRODUCTION TO GERMAN LITERATURE. 4 credit hrs.
Professor WHITE.

Same description as above. Requisite: satisfaction of the language requirement, including satisfaction of the requirement at the end of the first semester. *Elective for Freshmen. Second semester.*

21. THE AGE OF GOETHE. Professor PEPPARD. 4 credit hrs.

The development of German literature from the middle of the eighteenth century to the death of Goethe. Selected readings from the works of Lessing, Goethe, Schiller and the Romantic authors. Background readings, lectures, and discussion. Requisite: German 7. Three hours per week. *Elective for Freshmen. First semester.*

22. GERMAN LITERATURE OF THE NINETEENTH CENTURY.
Professor PEPPARD. 4 credit hrs.

The development of German literature from the Age of Goethe to the turn of the century. Selected readings, lectures, and discussion. Requisite: German 7. Three hours per week. *Elective for Freshmen. Second semester.*

23. FAUST. Professor SCENNA. 3 credit hrs.

Faust, Part I. Study of the Faust legend and assigned readings. Requisite: German 7. One two-hour seminar per week. *Elective for Freshmen. First semester.*

24. FAUST. Professor SCENNA. 3 credit hrs.

Faust, Part II. Lectures and assigned readings. Requisite: German 23. Three hours per week. Offered in alternate years. *Elective for Sophomores. Second semester. (Omitted 1965-66.)*

25, 26. READING COURSE. Professor SCENNA. 3 credit hrs.

A year course open to those who have already satisfied their language requirement in another language and who desire a reading knowledge of German.

Offered in alternate years. Three hours per week. *Elective for Sophomores. First and second semesters.*

28. ADVANCED COMPOSITION AND CONVERSATION.

Professor WHITE.

4 credit hrs.

Practice in free composition in German. Exercises in pronunciation and idiomatic conversation, with supplementary practice in the language laboratory. Oral reports on selected topics. Conducted in German. Offered in alternate years. Three hours per week. Requisite: consent of the instructor. *Elective for Sophomores. Second semester.*

32. THOMAS MANN. Professor PEPPARD.

2 credit hrs.

Readings in the shorter works of Thomas Mann. Lectures and discussion. Offered every third semester. Requisite: German 21, or 22, or 23, or consent of the instructor. Two hours per week. *Elective for Juniors. Second semester.*

32S. THOMAS MANN. Professor PEPPARD.

2 credit hrs.

Same description as above. *Elective for Juniors. First semester. (Omitted 1965-66.)*

33. FRANZ KAFKA. Professor PEPPARD.

2 credit hrs.

A study of Kafka's shorter works. Lectures and discussion. Offered every third semester. Requisite: German 21, or 22, or 23, or consent of the instructor. Two hours per week. *Elective for Juniors. First semester.*

33S. FRANZ KAFKA. Professor WHITE.

2 credit hrs.

Same description as above. *Elective for Juniors. (Omitted 1965-66.)*

35. GERMAN POETRY OF THE TWENTIETH CENTURY.

Professor WHITE.

2 credit hrs.

Interpretation of German verse of the period, with emphasis on George, Rilke, Hofmannsthal, the Expressionists, and post-World War II poets. Offered every third semester. Requisite: German 21, or 22, or 23, or consent of the instructor. Two hours per week. *Elective for Juniors. (Omitted 1965-66.)*

35S. GERMAN POETRY OF THE TWENTIETH CENTURY.

Professor SCENNA.

2 credit hrs.

Same description as above. *Elective for Juniors. Second semester. (Omitted 1965-66.)*

36. MODERN GERMAN LITERATURE IN TRANSLATION.

Professor PEPPARD.

4 credit hrs.

Selected German novels, novellas, and plays, from Goethe to the present, to be read in English translation. Works by such authors as Goethe, Kleist, Mann, Hesse, and Brecht. Three hours per week. Offered in alternate years. *Elective for Juniors. Second semester. (Omitted 1965-66.)*

44. SPECIAL TOPICS IN GERMAN LITERATURE. 2 to 4 credit hrs.

Individual work with one member of the department on an approved subject. The program and the amount of credit in each case will be arranged in advance in consultation with the Department. Requisite: The approval of the Department. *Elective for Juniors. Second semester.*

79, 80. HONORS COURSE FOR SENIORS.
The Department.

6 credit hrs.

History

Professors COMMAGER†, HAVIGHURST, ROZWENC and WARD; Associate Professors GREENE, HALSTED and HAWKINS*; Assistant Professors BROWNING, CHEYETTE, CZAP, FRUCHTBAUM, HALE*, R. MOORE, PETROPULOS* and RATTE*; Messrs. GUARNASCHELLI and KIDNER.

Note: A major in history will consist of eight semester courses in addition to the required sequence courses (History 1-2 and American Studies 21-22) of the freshman and sophomore years. One of the eight semester courses must be History 69 or 69s.

Comprehensive examination: All students majoring in history will take six hours of written examination in the spring of senior year. This examination will test the student's historical knowledge and understanding within the limits of a program of study approved by the department. But the student is responsible for the design of his own course of study subject to the general requirements which follow.

Each student will be examined on a primary field and a secondary field. For his primary field the student will designate one of the following: (1) Western Europe, (2) United States, (3) Latin America, (4) The Middle East, (5) Eastern Europe, (6) East Asia. The student's secondary field is to be chosen from an area outside the primary field. Each student is required to elect one semester course in his secondary field. The secondary field is to be selected from among the following: (1) Medieval Europe, 400-1300, (2) Early Modern Europe, 1300-1789, (3) Modern Europe, 1789 to the Present, (4) United States, (5) Latin America, (6) The Middle East, (7) Eastern Europe, (8) East Asia to 1644, (9) East Asia, 1644 to the Present.

Adequate preparation for examination on the primary field will require work beyond the general introductory course in the area selected by the student. Reading lists will be available to students to supplement their work in introductory and advanced courses. In the three secondary fields in European history students will be expected to be prepared considerably beyond the level of History 1-2. In other secondary fields preparation must at least match the level of the general introductory course. Reading lists will be available to assist students in preparing their secondary fields.

Students interested in ancient history should consult both the History Department and the Classics Department in working out course programs.

Honors Program: All candidates for honors must elect History 69 or 69s, 79, and 80. These three courses form an integrated enterprise. The object is to offer the student an opportunity to arrive at some understanding of what "history" is and how the historian works: first, by the study of the

* Absent on leave 1965-66.

† Absent on leave 1st semester 1965-66.

writings of historians themselves and of a variety of problems which historians have faced, and second, by individual and original work through the application of historical principles. Thus, the nature and method of history will be studied in the statements of certain well-known historians as to what they conceive themselves to have been doing, and then through the examination of how various historians have used evidence, employed analytic concepts, and synthesized materials in selected areas of historical experience. Hence, students will have an opportunity to assess a variety of approaches to history as well as the usefulness to history of concepts taken from adjacent disciplines. By stressing the importance of selecting a thesis topic in the spring of the junior year, encouragement will be given to a fuller utilization of the summer following for research or for further preparatory work in a relevant language. In the senior year, the history honors student will give a very considerable part of his time to the preparation of a thesis.

1. THE DEVELOPMENT OF WESTERN CIVILIZATION AND AN INTRODUCTION TO SOCIAL SCIENCE. 4 credit hrs.

Professors BROWNING, CHEYETTE, CZAP, HALSTED, HAVIGHURST and R. MOORE; Messrs. GUARNASCHELLI, and KIDNER.

An introduction to the history of Europe, with particular emphasis on the development of its social order, economic and political institutions, social theory and historical thought; the course also examines the encounter of Europeans with the civilizations of the Far East. Two lectures, two section meetings per week. *Required for Freshmen. First semester.*

2. THE DEVELOPMENT OF WESTERN CIVILIZATION AND AN INTRODUCTION TO SOCIAL SCIENCE. 4 credit hrs.

Professors BROWNING, CHEYETTE, CZAP, HALSTED, HAVIGHURST and R. MOORE; Messrs. GUARNASCHELLI, and KIDNER.

Continuation of History 1. Two lectures, two section meetings per week. *Required for Freshmen. Second semester.*

21. COLONIAL LATIN AMERICA. Professor HALE. 4 credit hrs.

Selected topics illustrating the structure of government and society in Spanish and Portuguese America from the sixteenth century through the Revolutions for Independence. *Elective for Sophomores. First semester. (Omitted 1965-66.)*

22. MODERN LATIN AMERICA. Professor HALE. 4 credit hrs.

Selected topics illustrating social and political changes, and the relationship between ideas and institutions in nineteenth and twentieth century Latin America. *Elective for Sophomores. Second semester. (Omitted 1965-66.)*

25. MEDIEVAL EUROPE. Professor CHEYETTE. 4 credit hrs.

An introduction to medieval European society. Readings and discussion

on selected topics of institutional and social history, concentrating on the period c. 1000 to c. 1400. One three-hour class meeting per week. *Elective for Sophomores. First semester.*

27. EAST ASIA: CHINA AND JAPAN. 4 credit hrs.
Professor MOORE.

An introduction to the history of China and Japan from earliest times to 1800. Special attention will be given to the development of traditional political, social, religious and intellectual institutions in both countries. *Elective for Sophomores. First semester.*

28. EAST ASIA: CHINA AND JAPAN. 4 credit hrs.
Professor MOORE.

An introduction to the history of China and Japan since 1800. Special emphasis will be placed on the internal political, economic, social and intellectual changes brought about by the impact of Western civilization. Consideration will be given to developments in both countries since World War II. *Elective for Sophomores. Second semester.*

33. THE HISTORY OF AMERICAN SOCIETY. 4 credit hrs.
Professor ROZWENC.

The changing relations in American social thought and behavior in the generations from the American Revolution to the end of the Civil War. Emphasis is given to basic political, economic and social institutions, to the place of science and technology in American society, and to competing ideas and social myths. *Elective for Sophomores. First semester. (To be given every year.)*

34. THE HISTORY OF AMERICAN SOCIETY. 4 credit hrs.
Professor ROZWENC.

The changing relations in American social thought and behavior in the generations from the Gilded Age to the present. Emphasis is given to basic political, economic and social institutions, to the place of science and technology in American society, and to competing ideas and social myths. *Elective for Sophomores. Second semester. (To be given every year.)*

36. SEMINAR IN AMERICAN EDUCATIONAL HISTORY. 4 credit hrs.
Professor HAWKINS.

Selected topics from the Colonial Period to the present with emphasis on tensions between autonomous institutional standards and the needs and ideals of the general society. One two-hour and one one-hour meeting weekly. Limited to fifteen students. *Elective for Sophomores. Second semester. (Omitted 1965-66.)*

39. THE MIDDLE EAST. Professor PETROPULOS. 4 credit hrs.

From the birth of Islam and the rise of an Arab empire in the seventh century A.D. to the passing of political hegemony to the Turks and the growth of the Ottoman empire up to 1500. Topics receiving special emphasis: the transformation of popular-religious movements into dynastic

drives for *imperium*, the contribution of pre-Islamic cultural traditions to the formation of an Islamic civilization, and the interaction between Islam, Byzantium, and the West. *Elective for Sophomores. First semester. (Omitted 1965-66.)*

40. THE MIDDLE EAST. Professor PETROPULOS. 4 credit hrs.

From the rise of the Ottoman (Turkish) and Safavid (Persian) empires to the emergence of successor nation-states in the twentieth century. Topics receiving special emphasis: the impact of the West on Islamic civilization, the modern problems of under-development faced by the new nations of the Middle East, the interaction between the Arab, Turkish, Iranian, and Jewish portions of the Middle Eastern world. *Elective for Sophomores. Second semester. (Omitted 1965-66.)*

41. RUSSIA. Professor CZAP. 4 credit hrs.

The history of Imperial Russia until 1894. The course will include a brief discussion of Russia's Kievan and Muscovite background and will emphasize the development of political institutions, the growth and collapse of serfdom, the village commune, the agrarian problem and the impact of industrialization in the post-Emancipation period, and the growth of revolutionary thought and action. *Elective for Sophomores. First semester.*

42. RUSSIA. Professor CZAP. 4 credit hrs.

The history of Russia and the Soviet Union in the 20th century. The course will include a discussion of the constitutional monarchy, the 1917 revolutions and establishment of the Soviet regime, and will survey the development of agriculture and industry and the evolution of the Communist party through the post-war years. *Elective for Sophomores. Second semester.*

43. EUROPE IN THE NINETEENTH CENTURY. 4 credit hrs.

Professor HALSTED.

Ideas and social change in Europe from the French Revolution through the aftermath of 1848, examined through four or five illustrative topics. *Elective for Juniors. First semester.*

44. EUROPE IN THE NINETEENTH CENTURY. 4 credit hrs.

Professor HALSTED.

A continuation of History 43, treating four or five topics in the intellectual, social and political history of Europe in the latter part of the nineteenth century. *Elective for Juniors. Second semester.*

46. HISTORY OF SCIENCE. THE NEWTONIAN SYNTHESIS.

Professor FRUCHTBAUM. 4 credit hrs.

The biological and physical sciences from the Greeks to the 19th century with the focus on the work and influence of Newton, his predecessors, opponents, and followers. The course emphasizes the significance of scientific ideas in intellectual history. One meeting of two and one-half hours per week. *Elective for Juniors and for Sophomores with the permission of the instructor. Second semester.*

48. AGE OF THE ENLIGHTENMENT. Mr. KIDNER. 4 credit hrs.

A survey of European society in the last decades of the 17th and 18th centuries, with concentration on England, France, and Germany. Topical emphases will include study of the structural and functional characteristics of the Ancien Regime, foreign relations and diplomacy, Enlightened Absolutism, and the intellectual revolution. *Elective for Juniors. Second semester.*

49. EUROPE IN THE 20TH CENTURY. Professor RATTE.

4 credit hrs.

The course will survey in readings and lectures 1) the history of international diplomacy and total war, with special emphasis on the impact of war on European consciousness; 2) the internal histories of central and western European nations, with special emphasis on the development of totalitarian ideologies and institutions and the dilemma of democratic theory and practice in the interwar years; 3) the politics, economy, and society of the 'New Europe'. Considerable attention will be given to European historical and social thought in relation to developments in philosophy, science, and literature. *Elective for Juniors. First semester. (Omitted 1965-66.)*

50. CONTEMPORARY EUROPE. Professor RATTE. 4 credit hrs.

The course will examine through source readings, class discussions, and reports, a limited number of topics in each given year, of which the following may be considered characteristic: changing concepts of reason in science, history, and social theory 1890-1930; non-Marxist socialism as idea and as institution; European theories of mass society and mass culture in a historical context; the role of the intellectual in European political life; the ideological novel; art and social change. One two-hour seminar each week. *Admission by permission of the instructor only. Elective for Juniors. Second semester. (Omitted 1965-66.)*

51. ENGLISH HISTORY: TUDORS AND STUARTS. 3 credit hrs.

Professor BROWNING.

An examination of the most significant developments in the history of the English people between 1485 and 1714: the securing of the Tudor dynasty; the Henrician and Protestant Reformations; Elizabethan polity; constitutional, religious, and economic conflicts of the seventeenth century; the first stage of party politics; overseas expansion. *Elective for Juniors. First semester.*

52. BRITAIN SINCE 1815. Professor HAVIGHURST. 4 credit hrs.

A study of some of the fundamental changes in English society and institutions from 1815 to the present. Topics to be examined: Condition of England, 1815-1830; Victorian Compromise; British Foreign Policy; Social Thought and Social Change, 1870-1914; Socialist Britain; From Empire to Commonwealth. Lectures, discussion and individual projects. *Elective for Juniors. Second semester.*

57. SEMINAR IN SOUTHERN HISTORY. 4 credit hrs.
Professor HAWKINS.

Selected topics, with emphasis on the forces that have affected Southern particularism. One two-hour and one one-hour meeting weekly. Limited to fifteen students. *Elective for Sophomores. First semester. (Omitted 1965-66.)*

59. SOCIETY AND POLITICS IN DE TOCQUEVILLE'S AMERICA. Professor WARD. 4 credit hrs.

An intensive examination of the social and economic changes in America in the early nineteenth century and their implications for the practice of politics and the content of American democratic ideology. *Elective for Juniors. Limited to twenty-five students. First semester.*

60. SOCIETY AND POLITICS IN THE ERA OF THE NEW DEAL. Professor ROZWENC. 4 credit hrs.

An intensive examination of the influence of social and economic changes on politics and political thought. Special attention will be given to selected writings including works on politics and social problems, imaginative literature, and major works of historical interpretation. *Elective for Juniors. Limited to fifteen students. Second semester. (Omitted 1965-66.)*

61. FOUNDATIONS OF AMERICAN CIVILIZATION. 4 credit hrs.
Professor GREENE.

An analysis of the first five generations of Americans (from early settlers through the Revolutionary generation) with emphasis upon the origins of certain fundamental themes in American history: social classes, immigration, European-American relations, frontier vs. city, science vs. religion, and constitutional democracy. *Elective for Juniors. First semester.*

62. AMERICAN DIPLOMATIC HISTORY. 3 credit hrs.
Professor GREENE.

The history of American foreign policy from the American Revolution to the present, with emphasis on the period since 1898. *Elective for Juniors. Second semester. (Omitted 1965-66.)*

- 63S. THE EUROPEAN MIND, ABELARD TO LUTHER. 4 credit hours.
Professor CHEYETTE.

The major trends of European thought in the Middle Ages and Renaissance as seen through a study of two or three major figures. One three-hour class meeting per week. Prerequisite: History 25, History 64 or consent of the instructor. *Elective for Juniors. Second semester.*

64. RENAISSANCE SOCIETY. Professor CHEYETTE 4 credit hrs.
An introduction to European societies 1300-1600. Readings and discussion on the Church in the late Middle Ages, the Italian Renaissance cities and Renaissance Monarchy. *Elective for Sophomores. Second semester.*

65. TOPICS IN JAPANESE HISTORY. 4 credit hrs.
Professor R. MOORE.

Readings, student reports and class discussion will center around selected topics in Japanese history since 1600, with emphasis on the process of Japan's modernization. Topics will include interpretations of modern Japanese history, basic changes in Tokugawa society, the Japanese reaction to the West, the Meiji Restoration and reforms, and the rise of revolutionary nationalism in the twentieth century. One two-hour seminar each week. Open to students who have completed History 27 or 28, or by permission of the instructor. *Elective for Juniors. First semester.*

67. FOUNDATIONS OF ENGLISH LAW AND THE
CONSTITUTION. Professor HAVIGHURST. 4 credit hrs.

Origins of the English Constitution; Growth of Common Law; Evolution of Parliament; Development of Monarchy; Major Constitutional Issues since 1485. Lectures, discussion and individual projects. *Elective for Juniors. First semester.*

68. THE PROGRESSIVE GENERATION. 4 credit hrs.
Professor GREENE.

A study of the responses to change made by Americans in the generation from 1890 to 1920. By concentrating upon a single generation the course will explore some of the interrelations among politics, literature, business, the professions, religion, and popular culture. *Elective for Juniors. Limited to fifteen students. Second semester.*

69. TOPICS IN HISTORICAL MEANING AND METHOD.
The Department. 4 credit hrs.

An introduction to the problems of understanding and explanation in history, and to the techniques and methods employed by historians. History 69 or History 69s required of all history majors. *Elective for Juniors. Non-majors require consent of Department. First semester.*

- 69S. TOPICS IN HISTORICAL MEANING AND METHOD.
The Department. 4 credit hrs.

The same course as History 69. *Elective for Juniors. Non-majors require consent of Department. Second semester.*

73. CONFERENCE COURSE IN AMERICAN INTELLECTUAL
HISTORY. 4 credit hrs.

This course will consist of reading, discussion and reports on some of the significant books of American intellectual history. *Elective for Juniors. Admission by permission of instructor only. First semester. (Omitted 1965-66.)*

74. CONFERENCE COURSE IN AMERICAN INTELLECTUAL
HISTORY. 4 credit hrs.

Continuation of History 73. *Elective for Juniors. Admission by permission of instructor only. Second semester.*

79. CONFERENCE COURSE. SENIOR HONORS. *4 credit hrs.*
 The Department.
 Preparation of an honors thesis. *Elective for seniors with the consent of the Department. First semester.*
80. CONFERENCE COURSE. SENIOR HONORS. *6 credit hrs.*
 The Department.
 Preparation of an honors thesis. *Elective for seniors with the consent of the Department. Second semester.*
91. SPECIAL TOPICS (Independent Reading Course) *1 to 4 credit hrs.*
First semester.
92. SPECIAL TOPICS (Independent Reading Course) *1 to 4 credit hrs.*
Second semester.

History of Science

Mr. FRUCHTBAUM

Courses in the history of science are open to juniors and seniors, and to sophomores with permission of the instructor. Each course will meet one afternoon a week for two and one-half hours. Students interested in the specific meeting times of these courses and in registration procedures should consult the Registrar.

Fall Semester

THE DARWINIAN REVOLUTION. Mr. FRUCHTBAUM. *(Smith)*

Themes in the history of 19th century science with the focus on the work and influence of Darwin, his predecessors, opponents, and followers. The role of biology, physics, and the sciences of man in shaping the modern world view is examined. (History of Science 398a.)

THE NON-SCIENTIFIC FOUNDATIONS OF SCIENCE.

Mr. FRUCHTBAUM. *(Mount Holyoke)*

The influence of theology and philosophy on the history of science. Topics include the role of teleology and natural theology in the development of astronomy, geology, and biology, and the interrelations of science and religion. (History of Science 251.)

Spring Semester

THE NEWTONIAN SYNTHESIS. Mr. FRUCHTBAUM. *(Amherst)*

The biological and physical sciences from the Greeks to the 19th century with the focus on the work and influence of Newton, his predecessors, opponents, and followers. The course emphasizes the significance of scientific ideas in intellectual history. (Science 46; same course as History 46.)

SCIENCE IN AMERICA. Mr. FRUCHTBAUM. (University)

A history of scientific ideas and institutions in America from the colonial period to the twentieth century. Lectures and discussions will consider the mutual impact of science and American culture. (History of Science 360.)

Humanities

1. HUMANITIES. 2 credit hrs.

Professors CANNON, FUNNELL, KENNICK, J. MOORE (chairman) PEMBERTON, RADLEY, and WHITE; Messrs. GUARNASCHELLI and HARRISON.

A reading course: fairly rapid reading for understanding and enjoyment. The course is intended to serve as a contribution to the student's general education, and the books are chosen to illustrate certain important stages in the development of Western culture. The reading list varies somewhat from year to year, but in general this semester is given over largely to Greek literature. The course is conducted in small sections: class discussions, short papers, occasional lectures. Two hours per week. *Required for Freshmen. First semester.*

2. HUMANITIES. 2 credit hrs.

Professors CANNON, FRENCH, FUNNELL, J. MOORE (chairman), PEMBERTON, RADLEY, TREDWELL, and WHITE; Messrs. GUARNASCHELLI and HARRISON.

A continuation of Humanities 1. The reading list for this semester includes, in general, readings from the Bible and works selected from the medieval, Renaissance and modern periods. Three hours per week. *Requisite: Humanities 1. Required for Freshmen. Second semester.*

Italian

Professor FRENCH

1. ELEMENTARY COURSE. Professor FRENCH. 4 credit hrs.

Recognition and imitation of basic sentence patterns, vocabulary and verb forms. Extensive drill on pronunciation in class and laboratory; graded reading from beginning of course with oral-aural drill on same. Six hours classwork practice and laboratory per week. *Elective for Freshmen. First semester.*

3S. INTERMEDIATE COURSE. Professor FRENCH. 4 credit hrs.

Continued oral-aural practice. Reading and analysis of original texts, such as Wilkins and Altrocchi, *Italian Short Stories*; Pirandello, *Atti unici* (3 plays); Pavese, *Paesi tuoi*. Five hours per week. *Elective for Freshmen. Second semester.*

21. READINGS IN ITALIAN LITERATURE FROM BOCCACCIO TO THE PRESENT. Professor FRENCH. 4 credit hrs.

Reading of important works with special attention to the modern period.

Requisite: Italian 3. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

22. DANTE. Professor FRENCH.

4 credit hrs.

A reading of the *Inferno* and of parts of the *Purgatorio* and *Paradiso*. Special study of the social and political background of the work. Requisite: Italian 21. Special reports and papers. Given in alternate years. Three hours of classroom work per week. *Elective for Sophomores. Second semester. Limited to twenty-five students. (Omitted 1965-66.)*

24. THE RENAISSANCE. Professor FRENCH.

4 credit hrs.

Origins in Boccaccio's *Decamerone* and in Petrarch's *Canzoniere*. Reading of Cellini's *Vita*, Castiglione's *Cortegiano* and Machiavelli's *Principe* with a study of the social background of the fifteenth and sixteenth centuries. Special reports and papers. Requisite: Italian 21. Three hours of classroom work per week. *Elective for Sophomores. Second semester. Limited to twenty-five students.*

91. SPECIAL TOPICS.

1 to 4 credit hrs.

First semester.

92. SPECIAL TOPICS.

1 to 4 credit hrs.

Second semester.

Legal Studies

Professors HAVIGHURST, LATHAM and ZIEGLER.*

25. AMERICAN CONSTITUTIONAL DEVELOPMENT. 4 credit hrs.

Professor LATHAM.

The development of American constitutional philosophy since 1787 under three general heads: the Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crisis of 1935-1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Hughes, Stone, Black, and Frankfurter. Four hours of classroom work per week. (Same course as Political Science 25.) *Elective for Sophomores. First semester.*

42. ADMINISTRATIVE LAW. Professor ZIEGLER.

4 credit hrs.

An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities

* Absent on leave 1965-66.

and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibility for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. (Same course as Political Science 42.) Three hours of classroom work per week. *Elective for Juniors. Second semester. Limited to twenty-five students. (Omitted 1965-66.)*

44. INTERNATIONAL LAW. Professor ZIEGLER. 4 credit hrs.

The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. (Same course as Political Science 44.) Four hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1965-66.)*

67. FOUNDATIONS OF ENGLISH LAW AND THE CONSTITUTION. Professor HAVIGHURST. 4 credit hrs.

Origins of the English Constitution; growth of Common Law; evolution of Parliament; development of Monarchy; constitutional conflicts. (Same course as History 67.) *Elective for Juniors. First semester, alternate years.*

Mathematics

Professors BREUSCH, BROWN, SPRAGUE and WILLCOX; Assistant Professors BAILEY and DENTON.

Note: A major in mathematics must elect 3, 23S, 25, 31, 32. (Beginning with the class of 1967, 33S will also be required.) The comprehensive examination in the spring of senior year will be limited to these courses. All mathematics courses except 1-2 give major credit.

In addition to the general College requirements, a degree with honors is awarded on the basis of accomplishment in the courses in mathematics required for a major, in the Senior conference course, and in any additional courses prescribed by the Department. A thesis may be required.

The content of the conference courses varies from year to year. Topics that have been or may well be given are Complex Variable, Abstract Algebra, Algebraic Geometry, Differential Geometry, Topology and Analysis.

1. Same course as Science 1. 4 credit hrs.
2. Same course as Science 2. 4 credit hrs.
3. CALCULUS. Professors SPRAGUE and DENTON. 4 credit hrs.

Continuous functions, differentiation and integration of trigonometric and logarithmic functions and their inverses, curvature, curvilinear motion, curve tracing, theorem of mean value, formal integration, infinite series, simple partial differentiation. Requisite: Science 1 or its equivalent.

Four hours of classroom work per week. *Elective for Sophomores. First semester.*

3S. CALCULUS. Professor WILLCOX. 4 credit hrs.
Same description as above. *Elective for Freshmen. Second semester.*

3X. CALCULUS. Professor BROWN. 24 credit hrs.
Same course as Mathematics 3. Two hours of classroom work per week throughout the year. *Elective only for freshmen who are excused from Mathematics 1-2 and who wish to continue the study of mathematics without interruption. First and Second Semesters.*

23S. DIFFERENTIAL EQUATIONS. Professor BAILEY. 3 credit hrs.
Treatment of ordinary differential equations with principal types of first and second order equations, linear equations with constant coefficients, simultaneous equations. Simple partial differential equations. Applications to geometry, physics and other branches of science. Requisite: Mathematics 3. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

25. ABSTRACT ALGEBRA. Professor BROWN. 3 credit hrs.
A development of the characteristic properties of the integers and the rational, real and complex number systems as instances of properties of rings, integral domains and fields, followed by a selection from the following topics: groups, polynomial rings, matrix rings. Three hours of classroom work per week. *Elective for Sophomores. First semester.*

31. ADVANCED CALCULUS. Professor BREUSCH. 4 credit hrs.
Brief treatment of determinants and solid analytic geometry, partial differentiation, implicit function theory, elements of vector analysis with applications. Requisite: Mathematics 3. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

32. ADVANCED CALCULUS. Professor BREUSCH. 4 credit hrs.
Multiple integrals, line and surface integrals, transformation of integrals, uniform convergence, Fourier series. Requisite: Mathematics 31. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

33S. LINEAR ALGEBRA. Professor BROWN. 3 credit hrs.
Vector spaces; matrices and linear transformations on a vector space; determinants and their role in linear algebra; diagonalization and canonical forms of matrices; some applications to other branches of science. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

34. PROBABILITY AND STATISTICS. 3 credit hrs.
Professor DENTON.

Elementary probability. Random variables with discrete and continuous distribution functions. Joint distribution functions. Distribution functions

of frequent occurrence in statistics, such as Poisson, normal in one and two variables, Chi square and Student's *t*. Requisite: Mathematics 3. Three hours of classroom work per week. *Elective for Sophomores. Second semester.*

42. FUNCTIONS OF A COMPLEX VARIABLE. 3 credit hrs.

An introduction to analytic functions. Point sets, complex numbers, derivatives, conformal mapping, integrals. Cauchy's theorems, power series, singularities, Laurent series, analytic continuation, rational, entire, meromorphic and multiple-valued functions. Riemann surfaces. Requisite: Mathematics 31. Three hours of classroom work per week. *Elective for Juniors. Second semester, alternate years. (Omitted 1965-66.)*

43. THEORY OF NUMBERS. Professor BREUSCH. 3 credit hrs.

An introduction to the theory of rational integers. Divisibility, prime numbers, the unique factorization theorem, congruences, quadratic residues, Fermat's theorem, Diophantine equations. Three hours of classroom work per week. *Elective for Juniors. First semester, alternate years.*

45. POINT-SET TOPOLOGY. 3 credit hrs.

A brief treatment of elementary set theory and the real number system will be given to motivate the definition of a topological space, after which topics will be selected from the following: topological spaces, metric spaces, compactness, connectedness, embedding theorems, metrization theorems, compactification, topological characterizations of arcs and curves. Requisite: Mathematics 25 or 32. Three hours of classroom work per week. *Elective for Juniors. First semester, alternate years. (Omitted 1965-66.)*

47. FUNCTIONS OF A REAL VARIABLE. 3 credit hrs.

Professor BAILEY.

An introduction to Lebesgue measure and integration. Topology of the real numbers, inner and outer measures, and measurable sets. The approximation of continuous and measurable functions. The Lebesgue integral and associated convergence theorems. The Fundamental Theorem of Calculus. Requisite: Mathematics 32. Three hours of classroom work per week. *Elective for Juniors. First semester.*

48. DIFFERENTIAL GEOMETRY. Professor SPRAGUE. 3 credit hrs.

An introduction to the differential geometry of curves and surfaces; curvature, torsion, Frenet formulae; curvilinear coordinates, first and second fundamental form, surface curvature, lines of curvature, geodesics, fundamental equations. Requisite: Mathematics 31. Three hours of classroom work per week. *Elective for Juniors. Second semester, alternate years.*

70. CONFERENCE COURSE. Professor BREUSCH. 4 credit hrs.

Elective for Juniors with the consent of the instructor. Second semester.

79. CONFERENCE COURSE. Professor WILLCOX. 4 credit hrs.
Elective for Seniors. First semester.
80. CONFERENCE COURSE. The Department. 6 credit hrs.
Elective for Seniors. Second semester.

Music

Professors MISHKIN and V. MORGAN; Messrs. ARCHIBALD and MCINNES.

The music major consists of the following basic courses: Music 23-24, Music 25, Music 41-42. Advanced work may be in theory, literature, or applied music. Majors in theory and music literature must also elect Music 47-48; majors in applied music must complete at least two years of Music 29-30. Part of the advanced work in applied music will be done with members of the music departments of Smith and Mt. Holyoke.

All music majors must take comprehensive examinations in music theory and literature in the final semester of their senior year.

Honors candidates will arrange individual programs with the Department during the second semester of their junior year. Compositions, essays, or recitals will be required according to the field of concentration. All honors candidates must elect Music 79-80.

Music 25 or Music 27 and any other course except 23-24, 29-30, 47-48, and 71-72 may be used in satisfaction of the sophomore humanities requirement.

23. ELEMENTARY THEORY. Professor MISHKIN. 4 credit hrs.

Basic principles of harmonic and contrapuntal technique. Writing in two, three, and four voices; triads and their inversions; non-harmonic tones; modulations. Limited to fifteen students. Requisite: ability to play all written work and the consent of the Department. *Elective for Sophomores. First semester.*

24. ELEMENTARY THEORY. Professor MISHKIN. 4 credit hrs.

A continuation of Music 23. Seventh chords; enharmonic and chromatic modulations; harmonizations in chorale style; elementary phrase structure. Requisite: Music 23. *Elective for Sophomores. Second semester.*

- 25S. AN INTRODUCTION TO MUSICAL LITERATURE.

Professor V. MORGAN.

3 credit hrs.

Western music from Gregorian chant to the present time with emphasis on music since 1500. No previous study of music is required. *Elective for Sophomores. Second semester.*

27. THE LANGUAGE OF MUSIC.

3 credit hrs.

Professors MISHKIN and V. MORGAN.

A creative study of the elements of music based upon a critical analysis of the composer's method. No previous study of music is required. *Elective for Sophomores. First semester.*

29. APPLIED MUSIC.

2 to 3 credit hrs.

Under the co-operative plan courses are offered in the following branches of applied music: piano, organ, voice, violin, viola, violoncello. These courses may be elected by students who first satisfy the Department at an audition and then the individual instructor that they are prepared to undertake the study of solo music literature of artistic worth. Students will normally be expected to begin their college work in applied music as sophomores and to continue the study for two years. During the first two years of study three credit hours will be granted for each semester: two for the lesson and practice, and one for the co-requirement listed as (c) below. Under exceptional circumstances a student may, with permission of the Dean, elect a third year for which there will be two credit hours per semester. No credit is granted for a single semester of applied music.

Students of keyboard and string instruments have one hour of private instruction per week and are required (a) to practice a minimum of nine hours per week, and (b) to elect in sophomore or junior year one other course offered by the Department. In addition keyboard students are required (c) to participate in a weekly session of ensemble playing, and string students to attend the weekly rehearsal of the Smith-Amherst Orchestra.

Students of voice have one hour of private instruction per week and are required (a) to practice a minimum of eight hours per week, (b) to elect in sophomore or junior year one other course offered by the Department, and (c) to sing with the Glee Club.

Private instruction will be given by members of the Departments of Music of Amherst, Mt. Holyoke and Smith. The courses are listed in the catalogues of our sister institutions as: Smith College — Piano 121, 122, 323, 324; Organ 232, 333, 434; Violin 151, 252, 353, 454; Viola 161, 262, 363, 464; Violoncello 171, 272, 373, 474; and Mount Holyoke College — Voice 167f, 168s. A fee of \$75 per semester will be charged to cover this special type of instruction. *Elective for Sophomores and qualified Freshmen with the consent of both the Department and the instructor. First semester.*

30. APPLIED MUSIC.

2 to 3 credit hrs.

A continuation of Music 29. *Elective for Sophomores and qualified Freshmen with the consent of both the Department and the Instructor. Second semester.*

41. SYMPHONIC MUSIC. Professor V. MORGAN.

3 credit hrs.

The development of orchestral literature from Haydn through Brahms: the symphony, concerto, overture and symphonic poem. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors. First semester.*

42. MUSIC SINCE 1900. Mr. ARCHIBALD.

3 credit hrs.

The musical scene in Europe and in the United States during the 20th century. Analyses of works by Schoenberg, Stravinsky, Bartók, Hindemith, Copland and others. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors. Second semester.*

44. BEETHOVEN. Professor V. MORGAN. 3 credit hrs.

A study of the piano, chamber and orchestral music. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors. Second semester.*

45. BACH. Professor MISHKIN. 3 credit hrs.

The Bach style studied in relation to the development of music from 1600. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors. First semester. (Omitted 1965-66.)*

46. THE OPERA. Professor V. MORGAN. 3 credit hrs.

The development of the musical drama from 1600 with emphasis on a detailed study of operatic types. Concentration on representative works by Mozart, Verdi and Wagner. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors. Second semester. (Omitted 1965-66.)*

48. TONAL COUNTERPOINT. Professor MISHKIN. 3 credit hrs.

Contrapuntal technique of the 18th century, invertible counterpoint, canon, two part inventions. Requisite: Music 24. *Elective for Juniors. Second semester.*

49. CHORAL MUSIC I. Mr. McINNES. 3 credit hrs.

The history of choral music and the development of choral composition from earliest plainsong until the time of Bach. In addition to a general survey the course will include careful analyses of representative works by Machaut, Dufay, Josquin, Palestrina, di Lasso, Byrd, and Schütz. Emphasis will be placed on sacred music, but the madrigal and other secular forms will also be studied. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors. First semester.*

50. CHORAL MUSIC II. Mr. McINNES. 3 credit hrs.

A survey of choral music since the time of Bach with emphasis on sacred music. Special attention will be given to the place that choral composition holds in the total work of several composers. There will be detailed studies of works by Haydn, Mozart, Beethoven, Mendelssohn, Berlioz, Bruckner, Brahms, Mahler, Stravinsky and Hindemith. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors. Second semester.*

52S. MOZART AND THE CLASSICAL STYLE.

Professor MISHKIN.

3 credit hrs.

A study of the classical idiom with special reference to the instrumental and vocal music of W. A. Mozart. Requisite: Music 25 or Music 27 or the consent of the Department. *Elective for Juniors. First semester.*

53. CHROMATIC HARMONY I. Mr. ARCHIBALD. 3 credit hrs.

Elementary composition: two and three part forms; theme and variations; the sonata-allegro. Requisite: Music 24. *Elective for Juniors. First semester.*

54. CHROMATIC HARMONY II. Mr. ARCHIBALD. 3 credit hrs.

A continuation of Music 47: the study of tonal harmony in nineteenth

century music, primarily through analyses of works from late Beethoven to Mahler. Also included will be composition in certain nineteenth century styles. Requisite: Music 53. *Elective for Juniors. Second semester.*

71. SEMINAR IN COMPOSITION. Mr. ARCHIBALD. 3 credit hrs.

By means of the creative solution of a series of brief compositional problems the student will gain first-hand knowledge of certain of the styles and techniques of contemporary music. Analysis of pertinent 20th century music. Requisite: Music 53-54. *Elective for Seniors. First semester.*

72. SEMINAR IN COMPOSITION. Mr. ARCHIBALD. 3 credit hrs.

A continuation of Music 71. Projects in composition suited to the needs and capabilities of the individual student. *Elective for Seniors. Second semester.*

79-80. CONFERENCE COURSE. 6 credit hrs.

Advanced work in history, composition or performance. *Elective for Qualified Seniors. First and second semesters.*

Philosophy

Professors EPSTEIN*, KENNEDY, and KENNICK; Visiting Professor LAZEROWITZ; Associate Professor PEMBERTON; Assistant Professor TREDWELL.

Note: The courses open to Sophomores (Introduction to Philosophy, Ethics, Logic, and History of Philosophy, and Science 3S) may count towards a major in Philosophy. All majors in philosophy are required to take Philosophy 43 and 44.

The comprehensive examination in philosophy will deal with the history of philosophy and with selected additional topics in philosophy, including ethics and logic. Further information may be obtained from members of the department.

Candidates for the degree with honors in philosophy are required to take the courses numbered 23, 24, 43, 44, 79, and 80, and will elect their further courses with the approval of the Department. Each candidate will write, in conjunction with the conference courses in the senior year, an original essay on a topic which has been approved by the Department. He will take, in the second semester of senior year, two written and one oral examinations. One written examination will be on the general history of European and American philosophy. The other written examination will be on some field of philosophy which the candidate may select, with the approval of the Department—metaphysics and philosophy of science, logic and theory of knowledge, ethics and social philosophy, aesthetics, history and philosophy of religion. The oral examination will be a defense by the candidate of his original essay before a committee of members of the Philosophy and affiliated Departments. Recommendation for the

* Absent on leave 1965-66.

various degrees of honors will be made by the Department on the basis of the original essay and the three examinations.

Majors and majors with honors may also be taken in combined fields, e.g. Philosophy and Mathematics, Philosophy and History, etc., with the approval of the Departments concerned. The selection of courses to constitute such combined majors, the topic for an original essay and the arrangements for comprehensive examinations must in each case be approved by representatives of the Departments. Recommendation for the various degrees with honors will be made by committees composed of members of the Departments concerned.

21. INTRODUCTION TO PHILOSOPHY.

3 credit hrs.

Professors KENNEDY and TREDWELL.

Training in the reading of philosophical literature. Classical and contemporary authors, chosen to exemplify the different basic types of philosophical thought, will be discussed. This course may be taken to meet part of the sophomore requirement in connection with the Humanities. Three class hours per week. *Elective for Sophomores. First semester.*

21S. INTRODUCTION TO PHILOSOPHY.

3 credit hrs.

Professors KENNICK and TREDWELL.

Training in the reading of philosophical literature. Classical and contemporary authors, chosen to exemplify the different basic types of philosophical thought, will be discussed. This course may be taken to meet part of the sophomore requirement in connection with the Humanities. Three class hours per week. *Elective for Sophomores. Second semester.*

23. INTRODUCTION TO LOGIC. Professor TREDWELL.

3 credit hrs.

An examination of the ideals of valid argument and clear statement, explored through an analysis of examples drawn from the natural and social sciences, literature, and the law. Topics include the common formal and informal fallacies, deductive and inductive inference, and the use of formal techniques in the analysis of arguments. (No previous training in the sciences or philosophy is presupposed.) Three class hours per week. *Elective for Sophomores. First semester.*

24. ETHICS. Professor KENNEDY.

3 credit hrs.

The bases of morality; theory of the moral life; moral issues involved in social problems. This course may be taken to meet part of the sophomore requirement in connection with the Humanities. Three class hours per week. *Elective for Sophomores. Second semester.*

26. INTRODUCTION TO THE PHILOSOPHY OF SCIENCE.

Professor EPSTEIN.

3 credit hrs.

An examination of two major aspects of the physical and social sciences. (1) *Concept Formation*: interpreted and uninterpreted systems, theory of measurement and the relation between measurement and theory, the specification of elementary and abstract terms, the reduction of theories.

(2) *Explanation, Prediction and Confirmation*: individual events and laws, the logical character of scientific laws and theories, mechanical explanation and its probabilistic, genetic and teleological alternatives, relations and distinctions between explanation and prediction, probability and confirmation.

Detailed results will be brought to bear on such representative issues as: Space and Geometry in Physical Theory, Causality and Indeterminism in Physics and History, Mechanism and Vitalism in Biology, Methodological Individualism in Social Science. *Elective for Sophomores. Second semester. (Omitted 1965-66.)* (See Science 3S and introductory Note to Philosophy offerings.)

28. SYMBOLIC LOGIC.

3 credit hrs.

An analysis of formal deductive systems, including the propositional calculus, the first order calculus of functions, and enough semantics to allow investigations of the independence of axioms and primitive symbols, consistency, and the completeness of theories formulated in the functional calculus. Special emphasis on the analysis of informal proofs in mathematics. Requisite: Philosophy 23 or the consent of the instructor. *Elective for Sophomores. Second semester. (Omitted 1965-66.)*

41. PHILOSOPHY OF EDUCATION.

3 credit hrs.

Professor KENNEDY.

A comparative and critical study of contemporary theories of education, in terms both of their historical origins and of current problems and controversies. Three class hours per week. *Elective for Sophomores. First semester.*

43. HISTORY OF ANCIENT AND MEDIEVAL PHILOSOPHY.

Professor KENNICK.

4 credit hrs.

A survey of European philosophy from the early Greeks to the end of the Middle Ages, with emphasis on Plato, Aristotle, the Stoics, the Epicureans and some Christian philosophers. Reading and discussion of selected works of the period. Four class hours per week. *Elective for Sophomores. First semester.*

44. HISTORY OF MODERN PHILOSOPHY.

4 credit hrs.

Professor KENNICK.

A survey of European philosophy in the seventeenth, eighteenth, and nineteenth centuries, with emphasis on Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume, and Kant. Reading and discussion of selected works of the period. Four class hours per week. *Elective for Sophomores. Second semester.*

45. PHILOSOPHY OF RELIGION. Professor PEMBERTON. 3 credit hrs.

(Same course as Religion 45.) An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of God, and some religious views of human nature and conduct. Three class hours per week. *Elective for Juniors. First semester.*

47. AMERICAN PHILOSOPHY. Professor KENNEDY. 3 credit hrs.

A study of the modern period in American thought. Reading and discussion of works by Peirce, James, Royce, Santayana, Veblen, Dewey and others. Three class hours per week. *Elective for Juniors. First semester.*

49. CONTEMPORARY RELIGIOUS THOUGHT. 3 credit hrs.

Professor PEMBERTON.

An analysis of selected nineteenth and twentieth century religious and secular writers whose thought reflects in criticism and constructive statement the "religious situation" in contemporary Western culture. The readings will be chosen from such writers as Dostoevski, Nietzsche, Kierkegaard, Feuerbach, Freud, Camus, Sartre, Marcel, Buber, Bonnhöffer, Maritain, Dewey, Niebuhr and Tillich. (Same course as Religion 49.) Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1965-66.)*

51. AESTHETICS. Professor KENNICK. 3 credit hrs.

A comparative and critical examination of the principal theories of the nature of art, the creative process, aesthetic experience, "beauty" or aesthetic value, and of the principles of appreciation and the standards of criticism. Special emphasis is placed upon the thought of modern philosophers and critics. Three class hours per week. *Elective for Juniors. First semester.*

60. PHILOSOPHICAL ANALYSIS. Professor LAZEROWITZ. 3 credit hrs.

A critical examination of analytic methods in relation to specific philosophical problems. A distinction will be made between concept, linguistic, and conversion analysis with a view to determining the role of each in philosophy. One two-hour meeting per week. *Elective for Juniors. Second semester.*

71. TOPICS IN PHILOSOPHY: THE CONCEPT OF MIND.

Professor TREDWELL and Professor JOHN A. BRENTLINGER of the University of Massachusetts. 3 credit hrs.

A critical appraisal of twentieth-century statements of the relation between mind and body, in an attempt to discover whether there are viable alternatives to the view that body and mind are distinct but interacting substances. Special attention will be given to philosophical positions which treat "mental" concepts (such as believing, intending, wishing, and willing) as referring to states or actions of the body. *Elective for Juniors and Seniors who have two semester courses in philosophy or the consent of the instructors. First semester.*

72. TOPICS IN PHILOSOPHY: SOCIAL PHILOSOPHY.

Professor KENNEDY.

4 credit hrs.

A critical examination of various attempts to formulate a methodology for the social sciences. Among the topics considered are: the nature of

social action; personality, society and culture; the sociology of knowledge; "historicism" and "scientism"; scientific method and value judgments; the relation between social theory and social policy. The readings will be chosen from such writers as Marx, Durkheim, Weber, Freud, Mannheim, Radcliffe-Brown, Myrdal, and Dewey. Requisite: a grade of B in two semester courses in one of the following subjects: philosophy, psychology, political science, economics or history. One two-hour period per week. *Elective for Juniors. Second semester. Limited to fifteen students.*

74. METAPHYSICS. Professor KENNICK. 3 credit hrs.

A comparative and critical examination of some metaphysical concept (e.g., Substance, Event, Time) or of the answers, both classical and modern, to some metaphysical question. This examination will not be made for historical purposes but will presuppose some knowledge of the major figures in the history of philosophy. Requisite: Philosophy 43 and Philosophy 44, or the consent of the instructor. Two hours, third hour at the discretion of the instructor. *Elective for Seniors. First semester. (Omitted 1965-66.)*

79. CONFERENCE COURSE. The Department. 4 to 8 credit hrs.

Required of candidates for honors in philosophy. Detailed outline of thesis and adequate bibliography for project required before Thanksgiving; preliminary version of substantial portion of thesis by end of semester. *Elective for Seniors. First semester.*

80. CONFERENCE COURSE. The Department. 4 to 8 credit hrs.

Required of candidates for honors in philosophy. *Elective for Seniors. Second semester.*

91. SPECIAL TOPICS (Independent Reading Course) 1 to 4 credit hrs.
First semester.

92. SPECIAL TOPICS. (Independent Reading Course) 1 to 4 credit hrs.
Second semester.

Physical Education

Professors LUMLEY, McCABE, RICHARDSON, ROSTAS* and WILSON; Associate Professors DUNBAR and OSTENDARP; Assistant Professors Mehr, SCANDRETT, SERUES and THURSTON; Mr. VAN PETERSILGE.

Complete physical examination, physical fitness tests, special exercises for individual development and a program of instruction and participation in team games and sports. *Required for Freshmen and Sophomores and men who have not met the department standards in swimming, fitness, team games, and recreational sports.*

* Absent on leave 1965-66.

Physics

Professors ARONS, BENSON*, SOLLER, and TOWNE; Associate Professors DEMPEY*, GORDON, and ROMER; Assistant Professors DEPATIE and NOER.

Any student considering a major in physics should seek the advice of a member of the Department as early as possible in order to work out a program best suited to his interest and ability, whether he is considering a career in physics, engineering, secondary school science teaching, one of the inter-science fields such as biophysics, or a non-scientific career. A prospective physics major should not fail to complete Math 3 and Physics 24 by the end of his sophomore year. Students interested in majoring in biophysics should consult the separate biophysics listings.

The minimum course requirements for a physics major are as follows: Math 31, Physics 24, 31, 51, 52, 55, 56, and one additional physics course, plus any courses beyond the sophomore science requirement in astronomy, biology, chemistry, geology or mathematics, to total 30 credit hours. In addition, all physics majors will attend the Physics Seminar during their junior year, and will participate actively in it in the senior year. A major is required to take two written comprehensive examinations, one near the end of the first semester, one soon after spring vacation in the senior year. The first examination will test general understanding at approximately the level of Physics 24. The second will call for comprehension at the more sophisticated level of the junior and senior courses.

The course requirements for a major with honors are the specific courses listed above, plus Math 32, Physics 58, 74S, 75, 79, 80. Upon consultation with the Department, these requirements may be altered to fit the needs of individual students. At the end of the first semester of the senior year, the student's performance on the first comprehensive examination, together with his progress on his honors problem will determine the advisability of his being allowed to continue the honors program.

The aim of honors work in physics is to provide an opportunity for the student to develop under faculty direction his ability and interest in individual investigation, and his skill in experimental or theoretical techniques. The primary fields of experimental research in progress in the department are low temperature physics, nuclear magnetic resonance, mass spectrometry and oceanography. In addition, however, experimental equipment is available for work in some phases of magnetism, ultrasonics, optics, electronics, and atomic and nuclear physics. The student is given facilities to review the literature in the field chosen, to design, construct and assemble his experimental equipment, to perform experiments, and finally to prepare a thesis, which is due in May. During the spring, he will also present his work in the Physics Seminar, and at the end of the second semester, he will take an oral examination, in addition to the written comprehensive examinations required of all physics majors (see

* Absent on leave 1965-66.

above). This oral examination is devoted primarily to the student's thesis and to questions suggested by his work on the written comprehensive examinations.

The departmental recommendation for the various degrees of honors will be based on the student's record in the Department, the honors work, and the comprehensive and oral examinations.

1. Same course as physics part of Science 1. 2 credit hrs.

2. Same course as physics part of Science 2. 2 credit hrs.

5. SPECIAL INTRODUCTORY PHYSICS. 2 credit hrs.

Professor TOWNE.

A course intended as an alternate to the physics part of Science 1, 2 for students who on entrance have had an adequate preparatory course in physics and some calculus. The design of the course will be to achieve a synthesis and extension of concepts previously studied, rather than to provide a rapid sequential review of topics in physics. Calculus will be used whenever pertinent.

Two class hours per week, with occasional periods for discussion or laboratory. Requisite: Adequate preparation in both physics and mathematics (calculus). *Elective for Freshmen. First semester.*

5S. SPECIAL INTRODUCTORY PHYSICS. 2 credit hrs.

Professor BENSON.

Same course as Physics 5, Requisite: Math 1, 2, and adequate preparation in physics. *Elective for Freshmen. Second semester. (Omitted 1965-66.)*

23. SPECIAL INTERMEDIATE PHYSICS. 4 credit hrs.

Professor GORDON.

A course designed primarily for students not majoring in the physical sciences, extending the work done in Science 1, 2 and discussing more fully such topics as periodic motion, electricity and magnetism, electronics, and atomic and nuclear physics. Four hours of lectures and discussion, and one laboratory period per week. Requisite: Science 1, 2, or Physics 5 or 5S. *Elective for Sophomores. First semester.*

24. INTERMEDIATE PHYSICS. Professor TOWNE. 4 credit hrs.

An introduction to mathematical methods of classical physics-solution of one-dimensional motion problems of mechanics; development of elementary field concepts of electricity and magnetism; behavior of transient d-c, and a-c, electrical circuits; analysis of coupled oscillators. The associated laboratory stresses the unity of theory and experiment by providing opportunities to check the behavior of practical apparatus against theoretical predictions for the idealized counterparts. This course is a prerequisite for all following physics courses, and is therefore required for all physics majors. Students not majoring in physics but who intend to include ad-

vanced physics courses in their program should elect this course rather than Physics 23. Four hours of lectures and discussion and one laboratory period per week. Requisites: Science 1, 2, Mathematics 3, unless exception is granted in advance by the instructor. *Elective for Sophomores, or for Freshmen who have been excused from Science 1, 2 or who have taken Physics 5 and Mathematics 3X. Second semester.*

31. MODERN PHYSICS. Professor NOER. 4 credit hrs.

20th Century developments in physics. Photoelectric effect, Bohr's quantum theory, atomic spectra and the vector model of the atom, x-rays, selected topics in nuclear physics, special theory of relativity. Four hours of lectures and discussion, and one laboratory period per week. Requisite: Physics 24. *Elective for Sophomores. First semester.*

51. MECHANICS. Professor ARONS. 3 credit hrs.

Newtonian dynamics from a vector point of view. Special emphasis is placed upon central force motions, the two body problem, and moving reference frames. Three hours of lectures and discussion per week. Requisites: Physics 24, concurrent registration in Mathematics 31. *Elective for Juniors. First semester.*

52. WAVE PHENOMENA. Professor GORDON. 3 credit hrs.

General characteristics of wave motion—the wave equation, energy relationships, diffraction, interference, reflection, refraction and polarization. Each phenomenon will be discussed in the context of either optics or acoustics depending upon the relative importance of its applications in the two fields. Three hours of lectures and discussion per week. Requisites: Physics 24, Mathematics 31. *Elective for Juniors. Second semester.*

55. EXPERIMENTAL PHYSICS. Professor SOLLER. 2 credit hrs.

Physics 55 and 56 together constitute a laboratory course which runs throughout the year. Either or both may be taken, and in either order. Assigned reading, problems and laboratory work dealing with electrical and magnetic measurements, d-c and a-c circuits, vacuum tube and transistor electronics, and optical and acoustical phenomena. In special cases, experiments may be selected to fit the needs of individual students. One class meeting and one laboratory period per week. Requisite: Physics 24. *Elective for Juniors. First semester.*

56. EXPERIMENTAL PHYSICS. Professor NOER. 2 credit hrs.

Course description is given under Physics 55. One class meeting and one laboratory period per week. Requisite: Physics 24. *Elective for Juniors. Second semester.*

58. ELECTROMAGNETIC THEORY. Professor DEPATIE. 4 credit hrs.

A development of Maxwell's electromagnetic field equations and some of their consequences. Electrostatics, potential theory, static magnetic fields, macroscopic theory of dielectric and magnetic materials, Poynting's

theorem, electromagnetic waves, radiation from an accelerated charge. Some topics from solid-state physics. Four class hours per week. Requisites: Physics 24, 51, concurrent registration in Mathematics 32. *Elective for Juniors. Second semester.*

62. ADVANCED EXPERIMENTAL PHYSICS. 2 credit hrs.

The Department.

Selected experiments in electronics, spectroscopy, x-rays, and atomic and nuclear physics. One laboratory period per week. Requisite: Physics 55 or 56. *Elective for Juniors. Second semester.*

74S. QUANTUM MECHANICS. Professor TOWNE. 3 credit hrs.

Calculus of variations. Lagrangian and Hamiltonian formulations of classical mechanics. Heuristic introduction to concepts of Schrödinger wave mechanics. Expectation values, Ehrenfest's theorem, uncertainty principles. Application to square potentials, harmonic oscillator, hydrogen atom. Three hours of lectures and discussion per week. Requisites: Physics 51, 58, 60S. *Elective for Seniors. First semester.*

75. THERMODYNAMICS. Professor ROMER. 4 credit hrs.

Generalization of the ideas of work, heat, energy. Mathematics of thermodynamics. First and Second Laws with applications to one component systems. Thermodynamic functions as criteria of equilibrium. Interpretation of thermodynamic laws and functions in terms of the behavior of aggregations of atoms and molecules. Four hours of lectures and discussion per week. Requisites: Mathematics 32, Physics 58 or consent of the instructor. *Elective for Seniors. First semester.*

79-80. HONORS COURSE. The Department. 4 to 8 credit hrs.

Individual, independent work on some problem, usually in experimental physics. Reading, consultation and seminars, and laboratory work. *Elective for Seniors who have been admitted to the honors program. First and second semester.*

91. SPECIAL TOPICS. (Independent Reading Course) 1 to 4 credit hrs.

First semester.

92. SPECIAL TOPICS. (Independent Reading Course) 1 to 4 credit hrs.

Second semester.

Political Science

Professors LATHAM and ZIEGLER*; Associate Professor KATEB; Visiting Assistant Professor MAYHEW; Mr. DINKELSPIEL.

Note: A major in political science consists of eight courses in political science. All majors are required to take 21 or 21S, Introduction to Political Science, and 31, American Government. For majors in the Department, 21 or 21S is a prerequisite or corequisite for all courses in the Department.

* Absent on leave 1965-66.

In addition, the Department requires each major to take one of the courses in each of the following fields: Comparative Government, International Law and Relations, and Political Theory. *Rite* majors must take a seminar course in the Department in either their junior or senior years. In addition, they will be required to pass a written comprehensive examination on the four fields offered by the Department, in the spring of their senior year. Students not majors in the Department may take any course in the Department with the consent of the instructor.

The honors program is designed to provide students through advanced work in political science with the full opportunity for independent research and writing. In addition to the courses prescribed for all majors, honors candidates are required to take 79 and 80, and to prepare a substantial thesis based upon independent research, upon which they will be examined orally. In addition, they will be required to pass a written comprehensive examination on the four fields offered by the Department, in the spring of their senior year.

21. INTRODUCTION TO POLITICAL SCIENCE. 4 credit hrs.

Professor LATHAM.

An analytical treatment of the role of politics in human society. Attention will be given to the theoretical and historical bases of political institutions, the social roots of political behavior, and the characteristics of the political process. Four hours of classroom work a week. Prerequisite or corequisite for all Political Science courses taken by Political Science majors. *Elective for Sophomores. First semester.*

21S. INTRODUCTION TO POLITICAL SCIENCE. 4 credit hrs.

Professor LATHAM.

Same description as above. Prerequisite or corequisite for all Political Science courses taken by Political Science majors. *Elective for Sophomores. Second semester.*

23. EUROPEAN POLITICAL SYSTEMS. 4 credit hrs.

Mr. DINKELSPIEL.

A comparison of government and politics in Great Britain, France, Germany, Italy, Switzerland, Sweden, and the Soviet Union. Topics will include historical, cultural, social, and constitutional determinants of political style; relations between local, associational, and national politics; sources of consensus; and comparisons between constitutionalism and totalitarianism. *Elective for Sophomores. First semester.*

24. THE POLITICS OF DEVELOPMENT. 4 credit hrs.

Mr. DINKELSPIEL.

A comparison of politics in Latin America, South and South East Asia, the Near East, and Africa. Topics will include colonialism, independence movements, and nationalism; economic, social, and constitutional factors affecting political development; new elites; and the role of the developing areas in world politics. *Elective for Sophomores. Second semester.*

25. AMERICAN CONSTITUTIONAL DEVELOPMENT. 4 credit hrs.
Professor LATHAM.

The development of American constitutional philosophy since 1787 under three general heads: the Agrarian Constitution, the Laissez-Faire Constitution, and the Welfare Constitution. Topics will include the Marshall and Taney eras, constitutional problems of slavery, the Civil War and Reconstruction, the constitutional foundations of 19th century capitalism, constitutional problems of federal and state regulation, civil liberties in the 20th century, the constitutional crisis of 1935-1937, and current problems of constitutional interpretation. Attention will be given to the judicial philosophies of the Federalist and Jacksonian judges, Field, Miller, Waite, Harlan, Holmes, Brandeis, Stone, Black, and Frankfurter. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

27. POLITICAL PARTIES. Professor MAYHEW. 4 credit hrs.

The role of people, parties and pressure groups in the politics of American democracy. Attention will be devoted to: campaign activities of the candidates; party support for the candidates; voting behavior; sectional and historic roots of national politics; the institutional politics of Congress and the Presidency; the competition for power among business, labor, agriculture, and the other major organized interests. Three hours of classroom work per week plus participation and further work in political campaigns. *Elective for Sophomores. First semester.*

29. WORLD POLITICS. Professor KATEB. 4 credit hrs.

An analysis of politics in the global political system of the nuclear age. Topics will include comparisons between contemporary world politics and earlier systems of international relations; the relative importance of power, ideology, and procedure; policies of the major blocs; and international organization, especially the United Nations system. *Elective for Sophomores. First semester.*

31. AMERICAN GOVERNMENT. Professor ZIEGLER. 4 credit hrs.

An introduction to the major problems of American democracy; their political, economic and social implications and their historical evolution. Politics and administration in their relation to constitutional government, federalism, suffrage, governmental functions, etc. Required for all majors in the Department. Four hours of classroom work per week. *Elective for Sophomores. First semester. (Omitted 1965-66.)*

41. THE ADMINISTRATION OF PUBLIC POLICY. 4 credit hrs.

An introduction to the problem of bureaucracy in American government with attention to social factors that shape and condition administrative structures; group behavior in administrative agencies; the theory of organization in its formal and informal aspects; the political setting of public administration; problems involved in the formulation of American

foreign policy. Four hours of classroom work per week. *Elective for Juniors. First semester. Limited to twenty students. (Omitted 1965-66.)*

42. ADMINISTRATIVE LAW. Professor ZIEGLER. 4 credit hrs.

An introduction to the American system of legal control exercised by other law administering agencies than the courts, with special reference to doctrines developed by the Interstate Commerce Commission, Securities and Exchange Commission, Federal Trade Commission, and the National Labor Relations Board. The course deals with the formulation of legislative purposes and administrative policies; administrative and judicial responsibilities for the enforcement of agency programs; and the nature and extent of judicial control over administrative action. Three hours of classroom work per week. *Elective for Juniors. Second semester. Limited to 25 students. (Omitted 1965-66.)*

44. INTERNATIONAL LAW. Professor ZIEGLER. 4 credit hrs.

The historical basis and present trends in the development of international law will be discussed and related to the social, economic, and political aspects of present day world politics and government. Four hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1965-66.)*

45S. COMPARATIVE POLITICS. 4 credit hrs.

Case studies drawn from contemporary political systems, both geographically and functionally defined. Topics will include such concepts as power, authority, policy, decision-making, and consensus. One three-hour seminar each week. *Elective for Juniors with the consent of the instructor. Second semester. Limited to fifteen students. (Omitted 1965-66.)*

46. INTERNATIONAL ORGANIZATION. 4 credit hrs.

A comparative study of historical systems of international organization, with primary emphasis upon the League of Nations and the United Nations. Topics will include constitutional, procedural, and operational problems collective security; disarmament; and theories of world order. One three hours seminar each week. *Elective for Juniors with the consent of the instructor. Second semester. Limited to fifteen students. (Omitted 1965-66.)*

48. PROBLEMS IN PUBLIC POLICY AND ADMINISTRATION.

Professor LATHAM.

4 credit hrs.

Selected topics in public policy and administration. One two-hour classroom meeting a week. *Elective for Juniors. Second semester. Limited to twenty-five students with the consent of the instructor.*

50. STATE AND URBAN PROBLEMS. 3 credit hrs.

Examination of state and urban problems resulting from contemporary patterns of growth and development; systematic study of state and local political environments in which urban problems are resolved; discussion of the roles played by political officials in these varying political environ-

ments. *Elective for Juniors. Second semester. Limited to twenty-five students with the consent of the instructor. (Omitted 1965-66.)*

52. THE LEGISLATIVE PROCESS. Professor MAYHEW. 3 credit hrs.

A study of policy-making in the American political system with special emphasis on the role of legislatures. Attention will be given to theories of representation, relations between governmental officials and their constituencies, the role of political parties, the evolution of various formal and informal governmental institutions in the legislative process. *Elective for Juniors. Second semester.*

56. AMERICAN POLITICAL THOUGHT. 4 credit hrs.

Professor KATEB.

A study of some of the major political ideas which have been formulated in response to American conditions from colonial times to the present. Connections with European thought will also be discussed. Four hours of classroom work per week. *Elective for Juniors. Second semester.* NOTE: This course does not satisfy the political theory requirement for political science majors.

57. POLITICAL THEORY FROM PLATO TO MACHIAVELLI.

Professor KATEB.

4 credit hrs.

A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Readings and discussion. Three classroom meetings per week. *Elective for Juniors. First semester. Limited to twenty-five students.*

58. POLITICAL THEORY FROM HOBBS TO THE PRESENT.

Professor KATEB.

4 credit hrs.

A study of some of the major writers who have dealt with questions of political practice and political morality in a systematic way. Four hours of classroom work per week. *Elective for Juniors. Second semester.*

71. PUBLIC OPINION.

4 credit hrs.

The role of public opinion in the politics of American democracy. Attention will be devoted to: measurement of opinion; the psychological organization of attitudes; the social and cultural sources of opinion; the rise, content, and impact of the mass media; politics in an era of mass communications. Three hours of classroom work per week plus participation in the design, administration and analysis of an opinion survey. *Elective for Juniors. First semester. (Omitted 1965-66.)*

79-80. HONORS COURSE. The Department.

6 credit hrs.

Elective for Seniors who have satisfied the necessary requirements. First and second semesters.

91. SPECIAL TOPICS. (Independent Reading Course.) 1 to 4 credit hrs.

First semester.

92. SPECIAL TOPICS. (Independent Reading Course.) 1 to 4 credit hrs.

Second semester.

Psychology

Professors BIRNEY, COPLIN and KOESTER; Associate Professor GROSE;
Assistant Professor OLVER.

Students majoring in psychology are required to elect thirty credit hours of course work in psychology or closely allied fields. A minimum of twenty-two hours must be elected from the course offerings of the department. Psychology 21 should be elected in the sophomore year by students who plan to major in psychology.

Students who are accepted for honors work are required to complete a research project during the senior year and to pass an oral examination based upon a written thesis. Students who plan to do honors work are expected to engage in exploratory research during the second semester of the junior year for the purpose of defining the nature of the research project to be done during the senior year.

A comprehensive examination is given to all majors during the senior year. Sophomores who have taken Psychology 21 may elect upperclass courses with the permission of the instructor.

21. INTRODUCTION TO PSYCHOLOGY.

4 credit hrs.

Professors BIRNEY and OLVER.

An introduction to the nature and varieties of psychological inquiry with emphasis upon the basic determinants of behavior. Three lectures a week and laboratory sessions. *Elective for Sophomores. First semester.*

21S. INTRODUCTION TO PSYCHOLOGY.

4 credit hrs.

Professor KOESTER.

Same course as Psychology 21. *Elective for Sophomores. Second semester.*

39S. PSYCHOLOGY OF PERSONALITY.

4 credit hrs.

Professor BIRNEY.

A study of personality with emphasis upon empirical findings and concepts related to man's adjustment to biological, social, and cultural events. Three class hours a week. Requisite: Psychology 21. *Elective for Juniors. Second semester.*

41. SOCIAL PSYCHOLOGY. Professor OLVER.

4 credit hrs.

A social psychological analysis of individual and group behavior with applications to selected social issues. Three class hours a week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

42. MOTIVATION AND EMOTION. Professor BIRNEY.

4 credit hrs.

This course will aim at a synthesis of findings derived from a variety of approaches concerning motivational and emotional phenomena. Three class hours a week. Requisite: Psychology 21. *Elective for Juniors. Second semester.*

43S. EDUCATIONAL PSYCHOLOGY. Professor GROSE. 4 credit hrs.

A psychological analysis of the educational process. The course is designed both for the prospective teacher and those who have a general interest in the field of education. One two-hour seminar a week. Requisite: Psychology 21. *Elective for Juniors with the consent of the instructor. Second semester. Limited to fifteen students.*

45. PSYCHOLOGICAL RESEARCH AND QUANTITATIVE METHODS. 2 credit hrs.

A study of psychological research procedures and quantitative methods used in the analysis and interpretation of data. Two class meetings a week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

47S. DEVELOPMENTAL PSYCHOLOGY. 4 credit hrs.
Professor OLVER.

A study of human development with emphasis upon the general characteristics of various stages of development from birth through adolescence and upon general determinants in the developmental process. One two-hour seminar a week. Requisite: Psychology 21. *Elective for Juniors, with consent of the instructor. Second semester. Limited to fifteen students.*

48. COGNITION AND PERCEPTION. 4 credit hrs.
Professor OLVER.

A study of cognitive processes, including perceptual phenomena, with emphasis upon the techniques by which man represents his world and the consequences of representation for behavior. Three class meetings a week. Requisite: Psychology 21. *Elective for Juniors. Second semester.*

51. MARRIAGE AND THE FAMILY. Professor COPLIN. 1 credit hr.

An introduction to marriage and the family with emphasis upon psychological, biological, and sociological findings. One class hour a week. *Elective for Juniors. First semester.*

56S. PSYCHOLOGICAL VIEWPOINTS AND THEORY. 4 credit hrs.
Professor KOESTER.

A critical evaluation of theoretical explanations of human behavior, experience, and personality development. Attention will be given to theoretical views derived from a diversity of approaches to psychological inquiry. Three class meetings a week. Requisite: Psychology 21. *Elective for Juniors. First semester.*

60. ABNORMAL PSYCHOLOGY. Professor COPLIN. 4 credit hrs.

A study of the major classes of psychological disorder with particular attention to the causes and underlying mechanisms of the various abnormalities. Three class hours a week. Requisite: Psychology 21. *Elective for Juniors. Second semester.*

62. INTRODUCTION TO PSYCHOANALYTIC THOUGHT

Professor KOESTER.

4 credit hrs.

A critical examination of psychoanalytic attempts to provide a theoretical understanding of human personality. One weekly seminar. Requisite: Psychology 21. *Elective for Juniors with consent of instructor. Limited to ten students. Second semester. (Omitted 1965-66.)*

67. PSYCHOLOGY SEMINAR. Professor BIRNEY.

4 credit hrs.

A study in depth of selected topics in psychological inquiry. One two-hour seminar a week. See instructor for topics. Requisite: Psychology 21. *Elective for Juniors with the consent of the instructor. First semester.*

68. PSYCHOLOGY SEMINAR.

4 credit hrs.

Professors KOESTER and OLVER.

A study in depth of selected topics in psychological inquiry. One two-hour seminar a week. See instructor for topics. Requisite: Psychology 21. *Elective for Juniors with the consent of the instructor. Second semester.*

73. SENIOR COURSE FOR MAJORS.

4 credit hrs.

Professor KOESTER.

A critical evaluation of selected readings in psychology. The readings will be chosen for their value in eliciting comprehensive thinking about the field of psychology with special emphasis upon basic issues in psychological inquiry. One weekly seminar period. *Elective for senior majors in psychology. First semester.*

79, 80. SENIOR HONORS COURSE.

4 credit hrs., first semester;

6 to 8 credit hrs., second semester.

This course is required of all students who have been accepted for honors work in the department.

91, 92. SPECIAL TOPICS.

1 to 4 credit hrs.

This course is open to students who desire to engage in independent study of selected topics. Preference will be given to those students who have done good work in one or more departmental courses beyond the introductory level. Permission will be granted only to those students who have worked out a plan of independent study with some member of the department before the opening of the registration period. *First and second semesters.*

Public Speaking

Assistant Professor MADER.

Students with special speech problems should contact the Department so that tutorial appointments may be scheduled.

25. PERSUASION. Professor MADER.

3 credit hrs.

The study of personal and psychological appeals used by a speaker in advocating or defending his beliefs. Emphasis is placed on training the

speaker to integrate these non-rational appeals with logical appeal to achieve a balance that will not obviate truth and integrity. Practice in persuasive speaking. Discussions on assigned readings in Festinger, Barzun, Kenneth Burke, Maslow, Hovland, Charles Stevenson and others. Meets as a seminar once a week. *Elective for Sophomores. First semester.*

25S. PERSUASION. Professor MADER.

3 credit hrs.

(Same course as Public Speaking 25). *Elective for Sophomores. Second semester.*

43. PHILOSOPHY OF RHETORIC.

3 credit hrs.

A comparative and critical study of Aristotle's *Rhetoric*, Plato's *Gorgias* and *Phaedrus*, Quintilian's *Institutes*, Ramus' *Dialectique*, and Whately's *Elements of Rhetoric*, and other treatises from ancient to modern times on the art of speaking. With emphasis on the aesthetic and ethical elements in the methodologies, the selected treatises will be studied to delineate the purpose and the components of rhetoric and to facilitate the formulation of criteria for the evaluation of speeches. Meets as a seminar once a week. *Elective for Juniors. Second semester. (Omitted 1965-66.)*

44. SPEECHES AND DEBATES IN AMERICAN HISTORY.

3 credit hrs.

A study of public discussion and debate as vital forces in American history through an analysis and evaluation of the speeches of renowned speakers and debaters during periods of crisis and controversy. The course will cover such topics as debates on the ratification of the Constitution, slavery and states' rights, the gospel of wealth and the social gospel, the League of Nations debates, the contemporary struggle over racial integration. Meets as a seminar once a week. *Elective for Juniors. Second semester. (Omitted 1965-66.)*

Religion

Professor B. MORGAN*; Associate Professors PEMBERTON and MUDGE;
Visiting Associate Professor CARTER.

All courses in religion may count towards a major, which shall consist of Religion 21, Introduction to Religion, and seven additional semester courses in religion or related studies approved by the Department.

Of these seven additional courses at least four must be courses in religion, and it is recommended that they also include Philosophy 43, 44, History of Philosophy.

The comprehensive examination in Religion will deal with the history and phenomenology of religious traditions, and selected topics from the fields of Bible, religious ethics, and philosophy of religion. Further information may be obtained from members of the Department.

* Absent on leave 1965-66.

Honors in religion shall consist of the Conference Course Religion 79, 80, taken in conjunction with a major in religion; satisfactory fulfillment of the general honors requirements of the College; satisfactory performance in the written comprehensive examination; and the preparation and oral defense of a scholarly essay on a topic approved by the Department.

21. INTRODUCTION TO RELIGION.

4 credit hrs.

Professors PEMBERTON, MUDGE and CARTER.

A systematic examination of the phenomenology of religion, its social, cultural, psychological, and personal ramifications, and the facts of similarity and diversity. Two case studies from Asian and Western settings. May be elected to fulfill part of the Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

23. THE OLD TESTAMENT. Professor MUDGE.

4 credit hrs.

Foundations of the Hebrew-Christian tradition in the literature and life of the Old Testament. May be elected to fulfill part of the Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. First semester.*

24. THE NEW TESTAMENT. Professor MUDGE.

4 credit hrs.

Foundations of the Christian tradition in the literature and life of the New Testament. May be elected to fulfill part of the Humanities requirement. Requisite: Religion 21 or 23, or consent of the instructor. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

26. THE WESTERN RELIGIOUS TRADITION.

4 credit hrs.

Professor PEMBERTON.

Judaism and Christianity from the Talmud and the Church Fathers to the present. May be elected to fulfill part of Humanities requirement. Four hours of classroom work per week. *Elective for Sophomores. Second semester.*

44. RELIGIONS OF EAST ASIA. Professor B. MORGAN.

4 credit hrs.

Exploration of the religions of China and Japan: Confucianism, Taoism, Shinto, and Mahayana Buddhism including the schools of Zen. Four hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1965-66.)*

45. PHILOSOPHY OF RELIGION. Professor PEMBERTON.

3 credit hrs.

An examination of some basic religious concepts in the light of philosophical analysis. Among topics to be considered are the nature and status of religious knowledge, the existence and nature of God, and some religious views of human nature and conduct. Same course as Philosophy 45. Three hours of classroom work per week. *Elective for Juniors. First semester.*

48. RELIGION IN AMERICA. Professor CARTER. 3 credit hrs.

An examination of the intellectual and social history of religion in America, and its interaction with the changing cultural setting. Intensive study of selected problems in papers and seminars. (Same as American Studies 48). Three hours of classroom work per week. *Elective for Juniors, Second semester.*

49. CONTEMPORARY RELIGIOUS THOUGHT. 3 credit hrs.

Professor PEMBERTON

An analysis of selected nineteenth and twentieth century religious and secular writers whose thought reflects in criticism and constructive statement the "religious situation" in contemporary Western culture. The readings will be chosen from such writers as Dostoevski, Nietzsche, Kierkegaard, Feuerbach, Freud, Camus, Sartre, Marcel, Buber, Bonhoeffer, Maritain, Dewey, Niebuhr and Tillich. (Same course as Philosophy 49). Three hours of classroom work per week. *Elective for Juniors. First semester. (Omitted 1965-66.)*

52. CHRISTIAN SOCIAL ETHICS: STRUCTURE AND PRACTICE.

Professor B. MORGAN.

3 credit hrs.

A critical study of ethical teaching and practice in the biblical and church tradition, and of their contribution to a constructive Christian ethic in such areas as power politics, economic life, the meaning of sexuality, the "crisis in communication," and the meaning of racial and cultural difference. Representative Roman Catholic and Protestant theologians. Three hours of classroom work per week. *Elective for Juniors. Second semester. (Omitted 1965-66.)*

72. TOPICS IN RELIGION: THE SPIRITUAL CRISIS OF THE GILDED AGE. Professor CARTER.

3 credit hrs.

Religious cross-currents in America from Grant to Cleveland. Seminar Course. *Elective for Juniors. Second semester.*

79. CONFERENCE COURSE. The Department. 4 to 8 credit hrs.

Selected topics of study; required of candidates for honors in religion. Detailed outline of thesis and adequate bibliography for project required before Thanksgiving; preliminary version of substantial portion of thesis by end of semester. *Elective for Seniors with the consent of the instructors. First semester.*

80. CONFERENCE COURSE. The Department. 4 to 8 credit hrs.

Selected topics of study; required of candidates for honors in religion. *Elective for Seniors with the consent of the instructors. Second semester.*

91. SPECIAL TOPICS. (Independent Reading Course). 1 to 4 credit hrs. First semester.

92. SPECIAL TOPICS. (Independent Reading Course). 1 to 4 credit hrs. Second semester.

Russian

Assistant Professor RADLEY; Mr. KUHN.

Requirements for majors:

All majors will be expected to take:

- a) at least 3 years of the language
- b) Russian 21, 22, 23, 24

and are strongly urged to take History 41, 42. Honors candidates will in addition take special conference courses on selected aspects of Russian literature and culture.

All majors will take a comprehensive examination in their senior year. Honors candidates will also write a 40-page thesis on a topic approved by the department.

1. FIRST-YEAR RUSSIAN. Professor RADLEY. 4 credit hrs.

Pronunciation, grammar, oral practice. Four hours per week of grammar and two hours of oral practice. *Elective for Freshmen. First semester.*

2. FIRST-YEAR RUSSIAN. Professor RADLEY. 4 credit hrs.

Four hours of grammar and two hours oral practice per week. Reading and analysis of selected texts. *Elective for Freshmen. Second semester.*

3. SECOND-YEAR RUSSIAN. Mr. KUHN. 4 credit hrs.

Review of grammar and pronunciation. Reading and analysis of selected texts, fictional and non-fictional. Four hours per week of reading and one hour of oral practice. *Elective for Freshmen. First semester.*

4. SECOND-YEAR RUSSIAN. Mr. KUHN. 4 credit hrs.

Reading of literary texts from the 19th century and the modern period. Four hours per week of reading and one hour oral practice. *Elective for Freshmen. Second semester.*

5. READINGS IN RUSSIAN LITERATURE. Mr. KUHN. 3 credit hrs.

The aim of this course is to develop fluency and accuracy in translating fairly difficult prose, both fictional and non-fictional. Emphasis will fall on the 19th century novel and short story. Three hours of classroom work per week. *Elective for Freshmen. First semester.*

6. READINGS IN RUSSIAN LITERATURE. Mr. KUHN. 3 credit hrs.

Continuation of Russian 5. Soviet texts will be included. *Elective for Freshmen. Second semester.*

21. SURVEY OF RUSSIAN LITERATURE: Part I. 4 credit hrs.

Professor RADLEY.

From the beginnings to Turgenev. All readings in English. *Elective for Sophomores. First semester.*

22. SURVEY OF RUSSIAN LITERATURE: Part II. 4 credit hrs.
Professor RADLEY.

From Dostoevsky and Tolstoy to the present. All readings in English. *Elective for Sophomores. Second semester.*

23. DOSTOEVSKY. Mr. KUHN. 4 credit hrs.

A study of representative early works and the major novels. All readings in English. (Russian majors will be required to read selected texts in the original and will be tested thereon.) Three hours a week. *Elective for Sophomores. First semester.*

24. TOLSTOY. Mr. KUHN. 4 credit hrs.

A study of his most important stories, novels and essays. (Russian majors will be required to read selected texts in the original and will be tested thereon.) Three hours a week. *Elective for Sophomores. Second semester.*

79. CONFERENCE COURSE FOR SENIORS. 6 credit hrs.
First semester.

80. CONFERENCE COURSE FOR SENIORS. 6 credit hrs.
Second semester.

91. SPECIAL TOPICS (Independent Reading Course). 1 to 4 credit hrs.
First semester.

92. SPECIAL TOPICS (Independent Reading Course). 1 to 4 credit hrs.
Second semester.

Science

- SCIENCE 1. Professors ARONS and WILLCOX in charge. 4 credit hrs.

A course in physical science and mathematics. The objectives of the course are: to show what is meant by a scientific concept and how scientists construct a conceptual scheme to obtain a deeper understanding of physical phenomena; to show how scientists work and reason and how such reasoning has led to discoveries which have influenced the development of our culture and the outlook of man toward the world around him; to impart some knowledge of physical laws and phenomena, particularly those which affect our everyday lives and actions.

To achieve these ends, no attempt is made to cover a wide range of subjects in the fields of physics and mathematics; rather, a limited number of subjects is studied with some care, so as to develop a more profound understanding than would otherwise be possible.

In physics, topics are selected from mechanics in such a way as to develop an understanding of the ideas which led to Newton's formulation of the laws of mechanics and the theory of gravitation and thence to indicate the impact which the Newtonian synthesis has had on the subsequent develop-

ment of science and philosophy. Selected topics from electricity and optics are then introduced and, combined with the previously developed topics in mechanics, are used to show how we have arrived at our present conception of the structure of matter.

In mathematics, topics are selected from analytic geometry and calculus in such a way as to show how this science has arisen as a powerful independent discipline and how its tools, in turn, have profoundly influenced the development of physical science.

Mathematics, two hours; Physics, two hours; Laboratory, two hours. *Required for Freshmen. First semester. See also the descriptions of Physics 5 and 5S in the Physics Department listings.*

SCIENCE 2. Professors ARONS and BREUSCH in charge. 4 credit hrs.

The second semester of the course outlined above under Science 1.

Mathematics, two hours; Physics, three hours; Laboratory, two hours. *Required for Freshmen. Second semester. See also the descriptions of Physics 5 and 5S in the Physics Department listings.*

Science 1, 2 Staff: Professors ARONS, BAILEY, BENSON*, BROWN, BREUSCH, DEMPEY*, DENTON, DEPATIE, FINK, GORDON, NOER, ROMER, SOLLER. SPRAGUE, TOWNE, WILLCOX.

3S. CONCEPTS AND METHODOLOGY IN MODERN SCIENCE.

Professor ARONS.

4 credit hrs.

A course in physical science and philosophy, treating several conceptual developments through which modern science has influenced the history of ideas and man's view of his place in the universe: relativity, the laws of thermodynamics, the quantum concepts. The point of departure is that reached at the end of Science 1, 2. Mathematical and physical concepts developed in the freshman course will be used throughout and will be extended where necessary. The scientific ideas will be developed with logical care and will be examined in their philosophical and historical context. The course is intended primarily as an elective for majors in humanities and the social sciences; it is not open to physics majors. Majors in other sciences may be admitted by permission of the instructors. *Elective for Sophomores. Second semester. Alternate years.*

5. SPECIAL INTRODUCTORY PHYSICS.

(Same courses as Physics 5.)

21. CHEMISTRY-BIOLOGY SEQUENCE. CHEMISTRY. 4 credit hrs.

Professors BEEBE and LANGFORD.

A study of substances, their structure, their properties and the reactions by which they are converted into other substances. Attention is given to the orientation of chemistry toward physics, biology and the other related sciences. Three hours classroom and four hours laboratory work per week. (Same course as Chemistry 21.) Requisite: Science 2. *Elective for Sophomores. First semester.*

* Absent on leave 1965-66.

22. CHEMISTRY-BIOLOGY SEQUENCE. GENERAL BIOLOGY.

Professor KIDDER.

4 credit hrs.

An introduction to biological principles integrated with the first semester chemistry which is arranged as part of a program of liberal study. Three classroom hours and two hours of laboratory work per week. (Same course as Biology 22.) *Elective for Sophomores. Second semester.*

24. THE DEVELOPMENT OF GENETIC THEORY.

4 credit hrs.

Professor HEXTER.

An examination of the growth of ideas in genetics from the early formulations of Mendelism to modern gene theory. Not open to students who have elected Biology 27 or equivalent. Does not count toward the major in Biology. Three classroom hours and three hours of laboratory work per week. *Elective for sophomores. Second semester. Limited to 30 students.*

25. COMPUTER PROGRAMMING.

Professor LINNELL. 2 credit hrs.

An introduction to the use of the digital computer in the solution of scientific problems. Examples of FORTRAN programs will be analyzed, and other programs will be written and tested in the same language. (Same course as Astronomy 25.) One two-hour class per week. *Elective for Sophomores. First semester. Limited to twenty-five students.*

46. HISTORY OF SCIENCE. THE NEWTONIAN SYNTHESIS.

Mr. FRUCHTBAUM

4 credit hrs.

The biological and physical sciences from the Greeks to the 19th century with the focus on the work and influence of Newton, his predecessors, opponents, and followers. The course emphasizes the significance of scientific ideas in intellectual history. (Same course as History 46). One meeting of two and one-half hours per week. *Elective for Juniors and for Sophomores with the consent of the instructor. Second semester.*

Spanish

Professor JOHNSON; Associate Professor CANNON.

All *rite* majors in Spanish are required to elect 30 semester hours of courses offered or approved by the Department, including Spanish 7 or 7S, but excluding Spanish 1 and 3. All honors candidates are required to elect courses 7 or 7S, 10, 21, 22, 25, 26, 79-80. This course program may be adjusted in certain cases. Honors candidates must present a thesis and pass a comprehensive examination in the history of Spanish literature and in the critical interpretation of texts. All majors must pass the comprehensive examination. A reading list will be furnished to aid in preparation for the examination.

A combined major in two languages may be arranged by consultation with the Department. For a student whose primary foreign language is Spanish,

the major must include 20 credit hours in Spanish exclusive of Spanish 1 and 3. In the second language it must include ten hours, of which at least three must deal with literature. A comprehensive examination covering both fields will be given. A reading list will be made to suit individual cases.

Requirements for Sophomores in Humanities. The following courses are approved as satisfying the Humanities requirement in sophomore year: any course or combination of courses (numbered above 5, except Spanish 10) giving 4 credit hours.

1. ELEMENTARY COURSE.

4 credit hrs.

Professor CANNON and assistant.

Three hours a week for explanation and demonstration, and four hours a week in small sections for oral and aural practice. *Elective for Freshmen. First semester.*

3. INTERMEDIATE COURSE.

4 credit hrs.

Professor JOHNSON and assistant.

Review of grammar; oral and aural practice; study of selected texts. Three hours a week for explanation and demonstration, and three hours a week for oral and aural practice. Assignment to this course will be made on the basis of the score in the CEEB Achievement Test. *Elective for Freshmen. First semester.*

3S. INTERMEDIATE COURSE.

4 credit hrs.

Professor CANNON and assistant.

Same description as above. Requisite: Spanish 1, or the equivalent. *Elective for Freshmen. Second semester.*

5. ADVANCED COURSE.

4 credit hrs.

Professor JOHNSON and assistant.

The purpose of this course is to complete the student's training in reading and in aural comprehension. Six hours a week in the language laboratory and in class. Stress will be placed on the acquisition of aural comprehension of the language and on oral practice. Conducted in Spanish. Requisite: a satisfactory score in the CEEB Achievement Test, or Spanish 3, or the equivalent. *Elective for Freshmen. First semester.*

5S. ADVANCED COURSE.

4 credit hrs.

Professor JOHNSON and assistant.

Same description as above. Requisite: a satisfactory score in the CEEB Achievement Test, or Spanish 3, or the equivalent. *Elective for Freshmen. Second semester.*

7. INTRODUCTION TO HISPANIC CIVILIZATION.

4 credit hrs.

Professor JOHNSON.

Study and discussion of such texts as the *Abencerraje* and *Lazarillo*, *Fuenteovejuna* and *Bodas de sangre*, romances and other kinds of poetry, a modern novel. Four hours a week in class and in the language laboratory. Conducted in Spanish. Requisite: satisfaction of the language requirement. *Elective for Freshmen. First semester.*

7S. INTRODUCTION TO HISPANIC CIVILIZATION. 4 credit hrs.

Professor CANNON.

Same description as above. Requisite: satisfaction of the language requirement. *Elective for Freshmen. Second semester.*

10. COMPOSITION AND CONVERSATION. 4 credit hrs.

The Department.

A review of the Spanish language with practice in conversation, set translation, free composition and oral reports. Five hours a week in class and in the language laboratory. *Elective for Freshmen. Second semester.*

21. SPANISH LITERATURE SINCE 1898. 4 credit hrs.

Professor CANNON.

Three hours a week. A survey of the renaissance of Spanish literature in the twentieth century. Extensive reading, with emphasis on Unamuno, Machado, Ortega, Lorca, and Alonso. Background lectures, written reports, outside reading. Conducted in Spanish. Requisite: Spanish 7, 7S. *Elective for Sophomores. (Omitted 1965-66.)*

22. READINGS IN SPANISH AMERICAN LITERATURE.

Professor JOHNSON.

4 credit hrs.

Three hours a week to study the poetry and prose of such writers as Ercilla, Echeverría, Bello, Sarmiento, Gallegos, Güiraldes, Borges. Lectures, class discussion, reports. Conducted in Spanish. Requisite: Spanish 7, 7S. *Elective for Sophomores. Second semester. (Omitted 1965-66.)*

25. THE MODERN SPANISH NOVEL. 4 credit hrs.

Professor CANNON.

Three hours a week. Extensive reading of Spanish novels of the nineteenth and twentieth centuries, with special attention to Galdós, Unamuno, Baroja, and Cela. Background lectures, reports, outside reading. Conducted in Spanish. Requisite: Spanish 7, 7S. *Elective for Sophomores. First semester.*

26. CERVANTES. Professor JOHNSON. 4 credit hrs.

Three hours a week to study the major prose works of Cervantes and their relation to the Golden Age. Emphasis on *Don Quixote de la Mancha*. Conducted in Spanish. Requisite: Spanish 7, 7S. *Elective for Sophomores. Second semester.*

79-80. CONFERENCE COURSE FOR HONORS CANDIDATES.

First and second semester.

4 to 6 credit hrs., each semester.

91. SPECIAL TOPICS (Independent Reading Course). 1 to 4 credit hrs.

First semester.

92. SPECIAL TOPICS (Independent Reading Course). 1 to 4 credit hrs.

Second semester.

III

Lectureships

Honors

Fellowships

Prizes

Awards

Degrees

Lectureships

THE HENRY WARD BEECHER LECTURESHIP

This lectureship fund of \$10,000 was founded by the late Frank L. Bab-bott, LL.D., of the Class of 1878, in honor of Henry Ward Beecher, of the Class of 1834. The incumbent is appointed biennially by the Faculty for supplementary lectures in the departments of history and the political, social, and economic sciences.

THE CLYDE FITCH FUND

A fund of \$20,000 was established by Captain and Mrs. W. G. Fitch of New York in memory of their son, Clyde Fitch, of the Class of 1886. The income of this fund is to be used for the furtherance of the study of English literature and dramatic art and literature. The whole or part of this income is usually devoted to the remuneration of an eminent lecturer, who may also take a part in the regular instruction of the College.

THE JOHN WOODRUFF SIMPSON LECTURESHIP

A fund now amounting to \$204,800 was established in memory of John Woodruff Simpson, of the Class of 1871, by his wife and daughter. The income is to be used for fellowships and "to secure from time to time, from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

THE GEORGE WILLIAM AND KATE ELLIS REYNOLDS LECTURESHIPS

A fund of \$150,000 established by the late George W. Reynolds of the Class of 1877 provides an annual income of approximately \$10,000 which is divided into three equal parts to provide lectureships on Christ and Christianity, Science, and American Democracy.

Honors

THE PHI BETA KAPPA SOCIETY

Massachusetts Beta Chapter

The students elected to membership in this honor society are those of highest standing and are normally candidates for the degree with honors. A preliminary election of outstanding students occurs at the end of the first semester of Junior year; and further elections occur at the end of the first semester and at commencement time of Senior year. Membership in the society is extended to about a tenth of the students in each class.

Officers

President: EDWIN C. ROZWENC, '37

Vice-President: THEODORE SOLLER

Secretary-Treasurer: N. GORDON LEVIN

Undergraduate President: JAY DAVID ATLAS, '66

Undergraduate Secretary-Treasurer: GEOFFREY DRURY, '66

First Election, Class of 1966

Jay David Atlas

Geoffrey Drury

Jeffrey Alan Hoffman

Second and Third Elections, Class of 1965

John Alcock

John Boe

David Reed Burt

William Robert Buechner

J. Alexander Caldwell, IV

Douglas Howell Chesson

Colin Stuart Diver

Stephen Edward Farber

Robert Warren Field

Richard Taylor Freeman

Richard Borisow Gerber

Elliot Lawrence Glickler

Ronald Michael Gordon

Marc Edward Green

Kenneth Joseph Greenberg

James Trafton Gutmann

Edward Paul Kahn

Robert Irwin Kamen

Robert Blake Killingsworth, Jr.

David Lewis Kirp

Mark Levey

Edward West Lyle

Mitchell Ralph Meisner

Alexander Lyall Morton

Samuel Hulse Preston, III

Davison Eugene Soper

Stuart Michael Statler

Richard Louis Stein

Howard Mark Steinman

Bruce Torao Tsuchida

Benjamin Gladney Wells

Bruce Stuart Wolff

Ronald Glen Woodbury

THE SOCIETY OF THE SIGMA XI

Sigma Xi, the National Honorary Scientific Research Society, was founded in 1886; the Amherst Chapter was installed March 23, 1950. As one of its purposes the Society gives recognition to those students, members of the faculty, research associates, and alumni who have demonstrated ability to carry on constructive scientific research or who show definite promise of research ability. Other functions are the maintenance of companionship among investigators in the various fields of science, the holding of meetings for the discussion of scientific subjects, and the fostering of an interest in scientific research in the College.

Undergraduates, masters candidates, and others who show definite promise of research ability are typically recommended to associate membership by the departments concerned. In the case of undergraduates, nomination is usually given only to those students whose promise of research ability would warrant recommendation for at least a degree *magna cum laude* (entirely aside from the question of grades).^{*} At present the chapter has a total membership of some 100 faculty and students.

Officers

President: Professor RALPH A. BEEBE

Vice-President: Dr. PHILIP T. IVES

Secretary-Treasurer: Professor ROBERT H. KOCH

*Initiates—1965**To Full Membership*

Abbot Stott Gaunt
James Eugene Miller
David Sugden Newcombe
Tahereh M. Z. Rahmani
William Albert Warren

To Associate Membership

John P. Alcock
Frederic Davis Ancel
William Paul Bendiner
David Reed Burt
Douglas Howell Chesson
Kenneth Gabriel Cousens
Jeffrey Lewis Denburg
Jeffery Gesell Derge
Stephen Alton Fernbach
Robert Warren Field
William Gordon Fortney

John Isaac Gallin
James Trafton Gutmann
James Robert Hazen
Robert Irwin Kamen
Frederick Dunbar Lewis
Robert William Milkey
Roger Keith Pitman
Jon Eric Rolf
Davison Eugene Soper
Howard Mark Steinman
John Howard Wahlert
Bruce Ulrich Wintroub

^{*} *Full membership is reserved for individuals who have already published at least one scholarly paper.*

THE BOND FIFTEEN

From the fifteen Seniors who have attained the highest general standing at the end of the first semester of senior year, two speakers are selected upon the basis of literary and orational merit to deliver orations during Commencement Week End. The Bond Prize of one hundred dollars, given by Ephraim W. Bond of the Class of 1841, is awarded to the speaker who delivers the best oration.

The Bond Fifteen, 1965

Colin Stuart Diver	Ronald Michael Gordon
Stephen Edward Farber	Robert Irwin Kamen
Stephen Alton Fernbach	Edward West Lyle
William Gordon Fortney	Richard William Miller
Richard Taylor Freeman	Alexander Lyall Morton
Richard Borisow Gerber	Richard Louis Stein
Elliot Lawrence Glickler	Bruce Stuart Wolff
Ronald Glen Woodbury	

DELTA SIGMA RHO-TAU KAPPA ALPHA

Delta Sigma Rho-Tau Kappa Alpha, a national honor society in forensics, was formed by the merging of Delta Sigma Rho and Tau Kappa Alpha in 1963. Delta Sigma Rho was founded in 1906; the Amherst Chapter was admitted to Delta Sigma Rho in 1913. Tau Kappa Alpha was founded in 1908. The purpose of the Society is to encourage sincere and effective public speaking and to recognize achievement in this field of endeavor. To qualify for membership students must have participated in intercollegiate debating and be in the top thirty-five per cent of their class. Members-at-large may be elected to recognize outstanding contributions to forensics.

Graduate Members: Mr. JAMES ALFRED GUEST

Professor HUGH DODGE HAWKINS

Fellowships

The College's funds for fellowships aggregate \$538,000. From the income of these funds fellowships are awarded annually to graduates of Amherst College, and in some instances to graduates of other colleges, for study in graduate or professional schools. Applications should be made in writing to the Dean before March first.

The names of those to whom fellowships have been awarded for the current year will be found on page 14.

THE AMHERST-DOSHISHA FELLOWSHIP

Amherst-Doshisha Fellowship at Amherst House, Doshisha University, Kyoto, Japan. An opportunity to work in a bi-cultural setting with Professor Otis Cary, Director of Amherst House, is open to young alumni of the College for a term of one, or in some cases, two years. Travel expenses and a modest stipend are paid by the College. The recipient will be given the opportunity of assisting Otis Cary in the activities of Amherst House and also in teaching English to Japanese students. No knowledge of Japanese is required.

The fellowship offers a stipend of \$1800, a travel allowance of \$1400, and incidental expenses of \$250. Preferably the fellowship year would be from September of one year to the following August. It carries with it formal teaching responsibilities in the English language at Doshisha University, at the freshman and sophomore level. The academic year at Doshisha has allowed all fellows to make an extended trip through South East Asia during February and March.

Applicants should apply to the President of the College, with a view to having a decision in mid-February.

THE AMHERST MEMORIAL FELLOWSHIPS FOR THE STUDY OF SOCIAL, ECONOMIC, AND POLITICAL INSTITUTIONS, AND FOR PREPARATION FOR TEACHING AND THE MINISTRY

A fund of \$124,900 provides fellowships to perpetuate the memory of those Amherst men who gave their lives for an ideal. The following statement expresses the purposes of the donor of these fellowships: "Realizing the need for better understanding and more complete adjustment between men and existing social, economic, and political institutions, it is my desire to establish a fellowship for the study of the principles underlying these human relationships."

Appointments to these fellowships may be made from the graduating class or the alumni of Amherst College or of other colleges, the object being to permit men of character, scholarly promise, and intellectual curiosity to investigate some problem in the humanistic sciences. Candidates should be men of sound health. During previous training they should have given evidence of marked mental ability in some branch of the social

sciences—history, economics, political science—and have given promise of original contribution to a particular field of study. It is desirable that they possess qualities of leadership, a spirit of service, and an intention to devote their efforts to the betterment of social conditions through teaching in its broad sense, journalism, politics, or field work.

While preference is given to candidates planning to do advanced work in the field of the social sciences, applications will be accepted and awards made to candidates who are planning to go to theological school as a preparation for a career in the ministry and to those from other fields than the social sciences who are preparing for a career in teaching in secondary schools or colleges.

Appointments may be made for terms of two years. Tenure may, however, be shorter or longer, depending upon the nature of the subjects investigated or upon other circumstances which, in the judgment of the committee, warrant a variation in the length of tenure.

The stipend will vary according to the circumstances of the appointment. Awards will depend upon those aspects of individual cases which, in the judgment of the committee, most suitably fulfill the purpose of the foundation.

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

THE HENRY P. FIELD FELLOWSHIPS

Two fellowships of \$500 each are available from the income of the bequest of the late Henry P. Field of the class of 1880, to promote graduate study in the fields of English and History. Appointments are made annually by the College on the recommendation of the departments of English and History.

THE EDWARD HITCHCOCK FELLOWSHIP

The income from a fund of \$20,000 founded by the late Mrs. Frank L. Babbott of Brooklyn, N. Y., is available for the promotion of graduate study in the department of physical education. Its object is to make the student familiar with the best methods of physical training, both in the gymnasium and on the field. The appointment is made by the Faculty.

THE ROSWELL DWIGHT HITCHCOCK MEMORIAL FELLOWSHIP

A fund of \$8900, established through the agency of the Alpha Delta Phi Fraternity, provides an annual award under conditions determined by the Faculty, to a member of the senior class for excellence in history and the social and economic sciences. The holder of the Fellowship pursues for one year, at an institution approved by the Faculty, a course of study in history or economics, to be completed within the period of two years next following graduation. The amount of the Fellowship is paid in two installments, one on completion of one-half the year's work, the other at the end of the year.

THE RUFUS B. KELLOGG UNIVERSITY FELLOWSHIP

The income from a fund of \$63,000 established by the late Rufus B. Kellogg of the Class of 1858 provides certain prizes, and a fellowship award for three years to an alumnus of Amherst College, who shall be appointed upon the following conditions:

1. He shall be elected by the Faculty from the members of the class graduated at the close of the academic year in which this election shall be made, or from the members of the classes graduated in the six years immediately preceding the academic year in which this election shall be made.

2. The faculty shall select as the incumbent of the said Fellowship the man who, in their judgment, is best equipped for study and research, without regard to any other considerations whatsoever, except that he should have an especially good knowledge of at least one modern foreign language and should have had at least one year of Latin in preparatory school or college.

3. The three years shall be spent by the incumbent at a German University, or with the approval of the said Faculty at any other place or places, in the study of philosophy, philology, literature, history, political science, political economy, mathematics or natural science. At least one college term of the final year shall be spent by the incumbent at Amherst College, where he shall give a series of not more than thirty lectures on a subject selected by himself and approved by the Trustees. The lectures shall be given to the Senior class, but the members of all other classes shall have the privilege of attending. The incumbent shall have his lectures published, at the end of his official term, in good book form, or in a learned journal.

THE EDWARD POOLE LAY FELLOWSHIP

The income from a fund of \$43,300, established by Frank M. Lay, of the class of 1893, and Mrs. Lay, in memory of their son Edward Poole Lay, of the class of 1922, provides for a fellowship to be awarded to a graduate of Amherst College who has shown unusual proficiency and talent in music, and who desires to continue his studies in this field. Preference is to be given to a candidate who is proficient in voice. In the event that there is no qualified candidate for the award in any one year in the musical arts (especially voice and instrumental music), then it may be awarded under the same conditions to a qualified candidate in the field of the dramatic arts.

This fellowship will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

THE FORRIS JEWETT MOORE FELLOWSHIPS

These fellowships, three in number, were established in memory of Forris Jewett Moore of the class of 1889 by his widow, Emma B. Moore.

In each case, the beneficiary is to be a member of the graduating class of the year preceding that in which he holds the Fellowship.

1. A fund of \$26,700, the income of which is to be used to assist some graduate of Amherst College who has distinguished himself in the study of chemistry while an undergraduate, and who desires to engage in further study of that subject. Preference is to be given to eligible candidates whose plans lie in the field of organic chemistry.

2. A fund of \$21,400, the income of which is to be awarded to a graduate of Amherst College who has distinguished himself in the study of history while an undergraduate, and who desires to engage in further study of that subject.

3. A fund of \$24,400, the income of which is to be awarded to a graduate of Amherst who has distinguished himself in the study of philosophy while an undergraduate and who desires to engage in further study of that subject.

THE GEORGE STEBBINS MOSES MEMORIAL FELLOWSHIP

The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral leader and a lover of ordinary people, and who is qualified scholastically to meet the calling of a theological career creditably. The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The recipient will be selected by the Fellowship Committee acting with the Minister to the College and, ordinarily, will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

THE GEORGE A. PLIMPTON FELLOWSHIPS

These fellowships, established by the Board of Trustees of Amherst College in memory of George A. Plimpton of the class of 1876, a member of the Board from 1890 to 1895 and from 1900 to 1936, and President of the Board from 1907 to 1936, are to be awarded without stipend to members of the senior class who are of outstanding scholastic ability and promise, who plan to continue their studies in graduate school, and who are not in need of financial assistance.

These fellowships will be awarded by the Board of Trustees upon recommendation of the Faculty Fellowship Committee.

THE SHERMAN PRATT FACULTY FELLOWSHIPS FOR STUDY ABROAD

These fellowships are awarded by the President of the College to younger members of the Amherst Faculty, on the basis of past performance in

teaching, scholarship, and programs for further study. The stipends may be fixed in such amount as the President may determine. Each holder of a Sherman Pratt Fellowship will be expected on his return to the College to deliver to the college body one or more lectures.

THE CHARLES B. RUGG, FELLOWSHIP

The income from a fund of \$25,000 established in memory of Charles Belcher Rugg, of the Class of 1911, provides a fellowship to be awarded to an Amherst graduate who shows promise for the study of law. The award is made annually to aid a young man beginning a legal career, but it may be renewed for a second or third year upon recommendation of the Fellowship Committee.

THE JOHN WOODRUFF SIMPSON FELLOWSHIPS AND LECTURESHIPS

A fund now amounting to \$205,100 was established in memory of John Woodruff Simpson of the class of 1871, by his wife and daughter. The uses of the income as defined by the donors follow:

"1. To award to any graduate of Amherst College a fellowship for use in studying law at any school approved by the Board of Trustees of the College;

"2. To award to any graduate of Amherst College a fellowship for use in studying medicine at any school approved by the Board of Trustees of the College;

"3. To award to any graduate of Amherst College a fellowship for use in studying theology at any school approved by the Board of Trustees of Amherst College, without regard to the particular creed or particular religious belief taught thereat;

"4. To award to any graduate of Amherst College a fellowship for use in studying at any school, college or university approved by the Board of Trustees of the College, in preparation for the teaching profession;

"5. To award to any graduate of Amherst College a fellowship for use in graduate study at the universities of Oxford or Cambridge in England;

"6. To award to any graduate of Amherst College a fellowship for use in graduate study at the Sorbonne in Paris;

"7. To secure from time to time from England, France or elsewhere, scholars for the purpose of delivering lectures or courses of instruction at Amherst College."

These fellowships will be awarded by the Board of Trustees upon the recommendation of the Faculty Fellowship Committee.

THE BENJAMIN GOODALL SYMON, JR. MEMORIAL FELLOWSHIP

The income from a memorial fund provides a fellowship to be awarded to an Amherst graduate each year who has been accepted by a recognized divinity school, who has good reason to seek financial aid, who seems to be an all-around man qualified in all respects as a religious and moral

leader, and who is qualified scholastically to meet the calling of a theological career creditably, although he may plan to use the divinity school training for work in another field. The candidate need not be an outstanding student, but improvement in the upperclass years, dedication, and a sense of purpose will be given great consideration.

The recipient will be selected by the Fellowship Committee acting with the Minister to the College and, ordinarily, will be awarded on an annual basis but, under appropriate circumstances, it may be renewed for a second or third year at the discretion of the Committee. If the income and needs of candidates permit, more than one fellowship may be awarded in any given year.

FELLOWSHIPS AWARDED BY THE AMERICAN SCHOOLS OF CLASSICAL STUDIES AT ATHENS AND ROME

The attention of graduate students interested in the Classics and in Archaeology and Ancient Art is called to the opportunities offered by the American Schools of Classical Studies at Athens and Rome. As the College contributes regularly to the support of these schools, any Amherst graduate may enjoy the privileges of study at either school without charge for tuition and may compete for the annual fellowships which they offer. Further information may be obtained from any classical teacher at the College.

COLUMBIA—AMHERST MEMORIAL FELLOWSHIP IN HISTORY

This fellowship offered jointly by Amherst and Columbia is open to Amherst students in the graduating class for the study of History (preferably European History) at Columbia University. The stipend is determined on the basis of need but may be as much as \$2500. It may be renewed for a second year if a student's record justifies such a renewal.

YALE—AMHERST MEMORIAL FELLOWSHIP IN HISTORY

This fellowship offered jointly by Amherst and Yale is open to Amherst students in the graduating class for the study of History (preferably American History) at Yale University. The stipend is determined on the basis of need but may be as much as \$2500. It may be renewed for a second year if a student's record justifies such a renewal.

Prizes and Awards

The following prizes are offered annually for proficiency in the work of the several departments of collegiate study, and for other qualifications. The recipients of awards for the previous year are named in each case.

American Studies

THE GEORGE ROGERS TAYLOR PRIZE, to be awarded annually to the sophomore who in the opinion of the American Studies Department shows most promise for creative and scholarly work in the field of American Studies.

JOHN ANDREW BILLINGS, '67

Art

THE ANNA BAKER HEAP PRIZE, from the income of a fund of \$1,900, established by the late Arnold N. Heap of the class of 1873; \$130 is awarded to that Senior who submits the best essay in the field of "Art."

MARK JOSEPH ESTERMAN, '65

Biology and Geology

THE HARVEY BLODGETT SCHOLARSHIP, from the income of a fund of \$2,800, established by Frederick H. Blodgett in memory of his grandfather, Harvey Blodgett of the class of 1829, is awarded to aid student work in biology and geology in their educational phases as distinct from their more technical and strictly scientific phases.

JAMES TRAFTON GUTMANN, '65

THE PHI DELTA THETA SCHOLARSHIP, from the income of a fund of \$600, established by the Phi Delta Theta Fraternity, is awarded as a scholarship at the Woods Hole Marine Laboratory to a student for proficiency in biology.

MARK JEFFREY ROSENBERG, '66

Chemistry and Medicine

THE HOWARD WATERS DOUGHTY PRIZE, from the income of a fund of \$1,100, given anonymously; \$75 is awarded to that member of the junior class who, in the opinion of the chemistry department, is best qualified to undertake an honors program.

ROBERT WARREN FIELD, '65

THE FRANK FOWLER DOW PRIZES, part of the income from a fund established by Fayette B. Dow, '04, in memory of his father; \$300 is awarded to a member or members of the junior or senior class preparing to enter medical school and whose undergraduate work indicates a career of usefulness and distinction in medicine.

Divided between: STEPHEN ALTON FERNBACH, '65
DOUGLAS HOWELL CHESSEN, '65

Dramatics

THE RAYMOND KEITH BRYANT PRIZE, an annual gift of \$25 from Robert E. and Ethel M. Bryant in memory of their son, Raymond Keith Bryant, of the class of 1936, is awarded to that undergraduate who, in the opinion of a board of judges, gives the best single performance of the year in a Masquers' play.

KENNETH JOSEPH HOWARD, JR., '66

Economics

THE W. T. AKERS, JR. PRIZE of \$50, provided by an annual gift from W. T. Akers, Jr., of the class of 1927, is awarded to that undergraduate who has, in the opinion of the economics department, written and submitted the best honors essay in economics.

THE MERRILL CENTER PRIZE, a prize of \$100 to be given to that member of the senior class who, in the opinion of the Economics Department, has written an honors thesis of distinction upon a subject related to capital formation and economic growth.

Combined and divided between:
COLIN STUART DIVER, '65 and
ALEXANDER LYALL MORTON, '65

THE HAMILTON PRIZE, established by his former students in memory of Professor Walton Hale Hamilton, distinguished member of the Department of Economics from 1915 to 1923, consisting of a collection of economics books, is awarded to that student other than a senior who ranks highest in the introductory economics course.

WILLIAM KAI-SHENG WANG, '67

THE SYLVESTER AWARD, supported by an annual gift from Albert L. Sylvester of the class of 1924, goes to the junior majoring in economics, who has shown himself outstanding in his work in that Department while maintaining a worthy general average. If the recipient is already on the scholarship list, the award is \$750; if not, the award is a prize of \$100 and the remainder goes to Converse Library for the purchase of books in economics.

JOHN MARK VINE, '66

English

THE ACADEMY OF AMERICAN POETS PRIZE, of \$100, made possible by a gift of Harry Woodbourne, is awarded annually for the best poem or group of poems, preferably on nature, submitted by an undergraduate.

BRUCE TORAO TSUCHIDA, '65

THE ARMSTRONG PRIZE, from the income of a fund of \$2,500, established in part by Collin Armstrong of the class of 1877 in memory of his mother Miriam Collin Armstrong, awarded in the form of books to the value of \$90 to members of the freshman class who excel in composition.

STEPHEN HIRO SUMIDA, '68

THE COLLIN ARMSTRONG POETRY PRIZE, from the income of a fund of \$2,500, established in part by Mrs. Elizabeth H. Armstrong; \$90 is awarded to the undergraduate author of the best original poem or group of poems.

THE CORBIN PRIZE, from the income of a bequest of \$1000 established by the estate of William Lee Corbin of the Class of 1896; \$80 is awarded for an outstanding original composition in the form of poetry or an informal essay.

Combined and divided between:

DEAN EDWARD HETHINGTON, '66

and THOMAS PARSON, '66

THE JOHN FRANKLIN GENUNG PRIZE, of \$50, given each year anonymously in memory of Professor Genung, is awarded to that member of the junior or senior class who excels in prose composition.

JOHN BOE, '65

THE HARRY RICHMOND HUNTER, JR. PRIZE, from the income of a fund of \$1,400, established by H. R. Hunter and Emma Louise Hunter in memory of their son, Harry Richmond Hunter, Jr. of the class of 1929; \$50 is awarded to that member of the sophomore class who presents the best essay on a topic approved by the English department.

THOMAS FRANCIS WEISKEL, '67

THE PETER BURNETT HOWE PRIZE for excellence in prose fiction, established by a gift of Robert B. Howe of the class of 1930 in memory of his son Peter Burnett Howe '60. The prize is awarded to an undergraduate for excellence in prose fiction.

DAVID PRICE, '67

THE RALPH WALDO RICE PRIZE, from the income of a fund of \$1,800, established by Mrs. Mary Rice Jenkins in memory of her brother, Ralph Waldo Rice, of the class of 1910; \$125 is awarded for the best essay on "The Liberal College and Christian Citizenship" or any other subject named by the Faculty.

MARC EDWARD GREEN, '65

Fine Arts

THE ATHANASIOS DEMETRIOS SKOURAS PRIZE of \$60 is given annually by an anonymous donor in the memory of Athanasios Demetrios Skouras, of the Class of 1936, who died in 1943 in Athens, Greece, as a result of Nazi reprisal killings. The prize is given to a student who in the opinion of the Fine Arts Department has created an outstanding work of art or architecture or to a student who, in the opinion of the Music Department, was pre-eminent in music composition or rendition of a musical selection. Preference to be given in the fine arts.

RONALD MICHAEL GORDON, '65

Greek

THE WILLIAM C. COLLAR PRIZE, from the income of a fund of \$1,400 established by the late William C. Collar of the class of 1859; \$95 is awarded to the member of the freshman class who shall make on a written examination the best version in English of a previously unseen page from some Greek author.

BARTHOLOMEW JOHN GUINEY, '68

THE HUTCHINS PRIZE, from the income of a fund of \$1,400, established by the late Waldo Hutchins of the class of 1842; \$95 is awarded to an upperclassman for excellence in Greek. The scholarship is determined chiefly by the regular recitations and examinations of the department but special studies and examinations may also be required of the candidates.

RICHARD WILLIAM MILLER, '65

THE HARRY DE FOREST SMITH SCHOLARSHIP is awarded to a member of the freshman class enrolled in one of the regular courses in the Department of Greek. The award is made on the basis of an examination given at the candidate's school in the March preceding his entrance to college. Students who have had either two or three years of Greek at School are eligible for this scholarship. The amount of the stipend is based on the financial need of the winner according to the regular scholarship procedures of the College. It is renewable after freshman year in accordance with the regular scholarship policy. In cases where there is no demonstrable financial need, the winner will receive an honorary \$100 stipend for the first year.

BARTHOLOMEW JOHN GUINEY, '68

Journalism

THE SAMUEL BOWLES PRIZE, from the income of a fund of \$4,200 established by the late Samuel Bowles King, '02; to stimulate interest in journalism as a career, a prize of \$300 is awarded to a student of the junior

or senior class who has demonstrated proficiency in journalism. The income may be used from time to time for a scholarship or toward a lectureship.

NO AWARD

Latin

THE BERTRAM PRIZES, from the income of a fund of \$2,600, established by the late John Bertram of Salem; two prizes of \$100 and \$60 each are awarded to those students who, together with attaining a high average in the Latin courses of the Senior Year, present the best essays on some approved topic connected with these courses.

First: BENJAMIN GLADNEY WELLS, '65

Second: PETER SIDNEY DEROW, '65

THE BILLINGS PRIZES, from the income of a fund of \$1,300, established by Frederick Billings in memory of Parmly Billings of the class of 1884; two prizes of \$55 and \$30 are awarded for general excellence in the Latin courses of the Sophomore Year together with the best essays on special topics connected with the authors read in that year.

First and Second Prizes combined and awarded to:

EDWARD FRANCIS XAVIER TIVNAN, '67

THE CROWELL PRIZES, from a fund of \$2,300 in memory of Edward Payson Crowell of the class of 1853; prizes of \$55 and \$30 are awarded for the highest scholarship in the freshman Latin courses; prizes of \$55 and \$30 are awarded to the students who, together with attaining a high average in the Latin courses of the Junior Year, present the best essays on some approved topic connected with the junior Latin course.

Freshman Award

Divided among:

ROBERT WALTER STRATTON, '68

COLIN FARRISH HASSE, '68

JEREMIAH PUTNAM MEAD, '68

Junior Award

First and Second Prizes combined and awarded to:

PETER WILLIAMS DONOVAN, '66

Mathematics, Physics, and Astronomy

THE BASSETT PHYSICS PRIZES, from the income of a fund of \$4,420 established by Preston Rogers Bassett of the class of 1913; two prizes up to \$100 and \$50 respectively may be awarded each year to those students who have distinguished themselves by the excellence and maturity of their performance in the class and laboratory work of the first course in Physics.

First Prize

JON KIMBALL DE RIEL, '68

Second Prize

GLENN ALAN LUX, '68

THE PORTER PRIZE, from the income of a fund of \$600, established by the late Eleazer Porter of Hadley; a prize of \$45 is awarded for proficiency in first year astronomy.

MARC DAMASHEK, '68

THE WILLIAM WARREN STIFLER PRIZE, from the income of a fund of \$1,000, created by the late Professor Stifler; \$70 is awarded to a senior who has majored in physics and who is nominated by the teaching staff of the department for excellence in work in the courses of physics for the junior and senior years, with special weight in the course on electricity and magnetism.

DAVISON EUGENE SOPER, '65

THE WALKER PRIZES, from the income of a fund of \$6,000, given by the late William J. Walker of Newport, Rhode Island; two prizes of \$130 and \$80 are awarded for proficiency in mathematics of the first year, and two prizes of \$130 and \$80 for proficiency in mathematics of the second year. In each case the award is determined by an examination.

First Year

First Prize: MARK AUSTIN PETERSON, '68

Second Prize: SAMMY TUNG CHUEN HUNG, '68

Second Year

First Prize

KENNETH RALPH GOODEARL, '67

Second Prize

GREGORY VICTOR DROPKIN, '67

Music

THE ERIC EDWARD SUNDQUIST PRIZE, from the income of a fund established anonymously in memory of Eric Edward Sundquist of the class of 1936; \$55 is awarded annually to that senior who has demonstrated excellence in musical composition and performance.

ARTHUR BAMPTON WENK, '65

Philosophy and Religion

THE MOSELEY PRIZES, from the income of a fund of \$7,600 established by the late Thomas W. H. Moseley of Hyde Park; two prizes of \$350 and

\$175 are awarded to members of the senior class for the best essays on a subject approved by the Department of Philosophy and Religion.

First Prize

JEROLD LANCE JACOBS, '65

Second Prize

ROBERT WARREN FIELD, '65

Physical Education

THE SAWYER PRIZES, from the income of a fund of \$2,000, established by the late Edmund H. Sawyer, hon. 1878; \$130 is available for prizes for improvement in the department of Physical Education.

Senior Class

WILLIAM CHARLES MITCHELL, '65

Sophomore Class

DAVID DEMBE, '67

Political Science

THE DENSMORE BERRY COLLINS PRIZE IN POLITICAL SCIENCE, of \$50, given annually by Miss Margaret S. Densmore in memory of her nephew Densmore Berry Collins, of the class of 1940. The award will be made to the student submitting the best honors thesis in Political Science.

ROBERT LEE WILLIAMS, '65

Public Speaking

THE BANCROFT PRIZES, of \$285 and \$150, from the income of a fund of \$6,500 established by the late Frederic Bancroft of the class of 1882; awarded to the two members of the senior class who produce the best orations. Both composition and delivery are considered in making the awards.

First Prize

DOUGLAS HOWELL CHESSEN, '65

Second Prize

STODDARD LANE, III, '65

THE BOND PRIZES, from the income of a fund of \$2,300 established by the late Ephraim W. Bond of the class of 1841; \$150 and \$50 are awarded for the best productions spoken at the Senior Chapel service. The awards

are determined by a committee appointed by the Trustees upon nomination by the Faculty.

First Prize

BRUCE STUART WOLFF, '65

Second Prize

COLIN STUART DIVER, '65

THE GILBERT PRIZE of \$100 from the income of a fund established by the late William O. Gilbert of the class of 1890 is awarded to a member of the junior class who produces the best oration. Both composition and delivery are considered in making the award.

CHARLES MICHAEL JENKINS, '66

THE HARDY PRIZES, from the income of a fund of \$1,200, established by the late Alpheus Hardy of Boston; prizes of \$55 and \$30 are awarded for excellence in extemporaneous speaking.

First Prize

DANIEL CHESTER COCHRAN, '68

Second Prize

ROBERT MORRIS HARDAWAY, IV, '68

THE KELLOGG PRIZES, from part of the income of a fund of \$54,500, established by the late Rufus B. Kellogg of the class of 1858; two prizes of \$70 and \$50 are awarded to members of the sophomore or freshman classes for excellence in declamation.

First Prize

THOMAS FRANCIS WEISKEL, '67

Second Prize

GARY ROBERT AHLKOG, '67

THE ROGERS PRIZE, from the income of a fund of \$1,300, given by Noah C. Rogers of the class of 1880; \$85 is awarded to a member of the junior class for excellence in debate.

No Award

Scholarship and Citizenship

THE ADDISON BROWN SCHOLARSHIP, from the income of a fund of \$6,300, established by the late Addison Brown of the class of 1852; \$425 is awarded to that member of the senior class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman, sophomore, and junior years.

RICHARD WILLIAM MILLER, '65

THE SAMUEL WALLEY BROWN SCHOLARSHIP, from the income of a fund of \$6,300, established by the late Samuel Walley Brown of the class of 1866; \$425 is awarded to that member of the sophomore class who at the end of his sophomore year shall in the estimation of the Trustees rank highest in his class in character, class leadership, scholarship, and athletic ability.

DAVID JOHN GREENBLATT, '66

THE FRANK A. HOSMER SCHOLARSHIP, from the income of a fund of \$15,000 established by Frank A. Hosmer of the class of 1875; \$600 is awarded to that member of the sophomore class who, being already on the scholarship list, shall have attained the highest standing in the studies of the freshman year.

ALAN MARK HERSHEY, '67

THE HOUSE MANAGEMENT COMMITTEE TROPHY is awarded each year after the end of the first semester to the sophomore delegation of a fraternity or social organization having the best scholastic record for the semester, judgment of the record to be based equally on comparative scholastic standing and on percentage of improvement as against the preceding semester.

1964-1965

ALPHA DELTA PHI

THE GORDON B. PERRY MEMORIAL AWARD, from the income of a fund of approximately \$1,400, provides a trophy and cash prize of \$95 to a freshman in good academic standing whose participation and attitude in freshman athletics and other activities are outstanding.

ROBERT SPINK SHERMAN, '68

THE PORTER ADMISSION PRIZE, from the income of a fund of \$1,200, established by the late Eleazer Porter of Hadley; \$85 is awarded each year to the member of the entering freshman class who is judged to have the best general record on the College Board tests taken for admission to Amherst. The name of the successful candidate, together with that of his school, is published in the catalogue.

ROBERT PATTON SATHER, '68

Teaneck High School (New Jersey)

THE PSI UPSILON PRIZE, from the income of a fund of approximately \$5,500, established by the Gamma Chapter of Psi Upsilon in 1941 on the occasion of the Centennial Anniversary of the founding of the Chapter; \$300 is awarded to that member of the graduating class who, in the opinion of a committee consisting of the President of the College, the Dean, and the Chairman of the Department of Physical Education and Intercollegiate

Athletics, is considered to be, in the terms of the Ancient Athenian oath,* the "first citizen" of the College.

PETER BANCROFT, '65

THE JOHN SUMNER RUNNELLS MEMORIAL, from the income of a fund of \$6,300, established in memory of John Sumner Runnells of the class of 1865; \$425 is awarded to that member of the sophomore class who shall in the opinion of the Trustees of the College be preeminent in his zeal for knowledge and industry to attain it.

JEFFREY ALAN HOFFMAN, '66

THE OBED FINCH SLINGERLAND MEMORIAL PRIZE, from the income of a fund of \$11,300 established by an anonymous donor; \$770 is awarded by the Trustees of the College to that member of the junior class, who, during his first three years at Amherst, has shown by his own determination and accomplishment the greatest appreciation of and desire for a college education.

GEORGE BASSOS, '65

THE SYLVESTER SCHOLARSHIP of \$750 provided by an annual gift from Albert L. Sylvester of the Class of 1924, is awarded to a senior who, being already on the scholarship list, at the end of his junior year has combined most clearly outstanding success in extra-curricular activities, including athletics, with academic distinction in one or more fields.

PETER BANCROFT, '65

THE STANLEY V. and CHARLES B. TRAVIS PRIZE, from the income of a fund of \$2,500; established by the late Charles B. Travis of the class of 1864; \$165 is awarded to that member of the graduating class who has made the most improvement as a man and as a scholar during his college course.

Combined with Woods Prize and divided between:

ROBERT JASON ELOWITCH, '65

RICHARD WILLIAM MILLER, '65

THE TREADWAY INTERFRATERNITY SCHOLARSHIP TROPHY, a silver cup, given by Hon. Allen Treadway of the class of 1886, in memory of his son, Charles Denton Treadway, awarded to that fraternity or the

* "I will not disgrace the soldier's arms, nor abandon the comrade who stands at my side; but whether alone or with many, I will fight to defend things sacred and profane. I will hand down my country not lessened, but larger and better than I have received it. I will accept readily and with understanding the verdicts of our judges, and I will obey the established laws and such other laws as the people may establish. If anyone shall attempt to overthrow the laws, I will not permit it, but whether alone or with many, I will fight to defend them; and I will honor the religion of our fathers. The gods attest this oath!"

group of all non-fraternity men which has attained the highest scholastic average during the previous academic year.

1964-1965

PHI DELTA SIGMA

THE TRUSTEE TROPHY is awarded each semester to the fraternity or social organization showing the greatest percentage of improvement academically during the previous semester.

1964-1965

First Semester—DELTA KAPPA EPSILON

Second Semester—PHI ALPHA PSI

THE WOODS PRIZE, an annual gift of \$75 in memory of the late Josiah B. Woods of Enfield, is awarded for outstanding excellence in culture and faithfulness to duty as a man and as a scholar—particular attention being given in any prominent case to improvement during the four years' course.

Combined with the Travis Prize and divided between:

ROBERT JASON ELOWITCH, '65

RICHARD WILLIAM MILLER, '65

Other Prizes

THE ROBERT E. BAUSER MEMORIAL AWARD of a twenty-five dollar United States savings bond (or its equivalent), is given at the close of every academic year to that member of the Senior Class who, in the opinion of the senior board of Radio Station WAMF, has been of the greatest service in the operation and development of the station, during his tenure as station member. This award is sustained in perpetuity of Amherst College by the Alpha Chi Chapter of Phi Gamma Delta in memory of its brother, Robert E. Bauser, '54.

DENNIS STEPHEN KLINGE, '65

THE ASHLEY MEMORIAL TROPHY, given by the Class of 1916 in memory of Thomas W. Ashley, '16, who was killed in action at Belleau Wood in 1918, is presented annually to the retiring member of the football team who, in the opinion of a committee consisting of the Coach, the Manager, and the Captain-elect, has best "played the game."

WAYNE D. KNIFFIN, JR., '65

THE HOWARD HILL MOSSMAN TROPHY, awarded annually to the member of the senior class, who, in the opinion of a committee consisting of the President of the College, the Dean, the Chairman of the Department of Physical Education and Intercollegiate Athletics, and the President of the Student Council, has brought, during his four years at Amherst, the greatest honor in athletics to his Alma Mater—the word "honor" to be interpreted as relating both to achievement and to sportsmanship.

THOMAS MARTIN POOR, '65

THE PLIMPTON INTERFRATERNITY DEBATE TROPHY, given by Francis T. P. Plimpton, '22, awarded annually to the group which places first in the interfraternity debate tournament.

No award

THE LINCOLN LOWELL RUSSELL PRIZE, from the income of a fund of \$1,200 established by the late J. W. Russell, Jr. of the class of 1899 in memory of his son; \$85 is awarded to that member of the graduating class who has done most to foster the singing spirit in Amherst College.

ARTHUR BAMPTON WENK, '65

Degrees Conferred October 31, 1964

BACHELOR OF ARTS

Rite

Andrew Blaine Burkhardt, Jr.
Richard Patrick Devir

John Dodds Hayden
Oscar John Holcombe

Noel Sydney Wilson

Degrees Conferred January 30, 1965

BACHELOR OF ARTS

Rite

Richard John Fitzgerald, Jr.
David Arnold Hall

Samuel Cary Lambert
Aloysius Chukwuemeka Nwaogugu

Peter Poulimenos

Degrees Conferred April 10, 1965

BACHELOR OF ARTS

Cum laude

Mitchell Ralph Meisner
Political Science

Rite

William Jackson Lewis, II
Jerome Mintz
Gordon Richardson

Charles Scudder Sommer
William Ladd Thompson (*Honoris Causa*)
George Harris White

Degrees Conferred May 28, 1965

BACHELOR OF ARTS

Summa cum laude

Colin Stuart Diver
Economics

Lexington, Massachusetts

Stephen Alton Fernbach
Biology

New York, New York

William Gordon Fortney
Mathematics

Arlington, Virginia

Robert Irwin Kamen
Biophysics

New York, New York

Richard William Miller
Philosophy

Englewood, New Jersey

Magna cum laude

John Alcock <i>Biology</i>	Wilmington, Delaware
William Robert Buechner <i>Economics</i>	Trumbull, Connecticut
Julius Alexander Caldwell, IV <i>Spanish</i>	New Haven, Connecticut
Douglas Howell Chesson <i>Biology</i>	Denver, Colorado
Stephen Edward Farber <i>English</i>	University Heights, Ohio
Robert Warren Field <i>Chemistry</i>	Chicago, Illinois
Richard Taylor Freeman <i>Economics</i>	Dedham, Massachusetts
Richard Borisow Gerber <i>Philosophy</i>	Washington, D. C.
Elliot Lawrence Glickler <i>French</i>	Laurelton, New York
Ronald Michael Gordon <i>English</i>	Scranton, Pennsylvania
Marc Edward Green <i>English</i>	Shaker Heights, Ohio
Kenneth Joseph Greenberg <i>French</i>	South Orange, New Jersey
James Trafton Gutmann <i>Geology</i>	Auburn, Maine
Robert Blake Killingsworth, Jr. <i>English</i>	New Canaan, Connecticut
Mark Levy <i>Economics</i>	New York, New York
Edward West Lyle <i>History</i>	Washington, D. C.
Alexander Lyall Morton <i>Economics</i>	Glen Rock, New Jersey
Samuel Hulse Preston, III <i>Economics</i>	Morrisville, Pennsylvania
Davison Eugene Soper <i>Physics</i>	Lake Forest, Illinois
Stuart Michael Statler <i>Philosophy</i>	Yonkers, New York
Richard Louis Stein <i>English</i>	Los Angeles, California
Howard Mark Steinman <i>Biophysics</i>	Detroit, Michigan

Bruce Torao Tsuchida <i>English</i>	<i>Floral Park, New York</i>
Benjamin Gladney Wells <i>Latin</i>	<i>St. Louis, Missouri</i>
Bruce Stuart Wolff <i>Economics</i>	<i>Great Neck, New York</i>
Ronald Glen Woodbury <i>Economics</i>	<i>Reading, Massachusetts</i>

Cum laude

Fredric Davis Ancel <i>Mathematics</i>	<i>Glencoe, Illinois</i>
Ronald James Arnault <i>Economics</i>	<i>Hornell, New York</i>
Peter Bancroft <i>Mathematics</i>	<i>Waterville, Maine</i>
Michael John Bartlett <i>Political Science</i>	<i>Rumson, New Jersey</i>
Cary Edward Bell <i>French</i>	<i>Mount Vernon, New York</i>
William Paul Bendiner <i>Physics</i>	<i>Huntington, New York</i>
Michael Sagalyn Bick <i>English</i>	<i>Springfield, Massachusetts</i>
Ralph Howard Bloch <i>French</i>	<i>Scarsdale, New York</i>
John Boe <i>English</i>	<i>Ridgewood, New Jersey</i>
William Daniel Boone <i>Philosophy</i>	<i>Chevy Chase, Maryland</i>
David Reed Burt <i>Biophysics</i>	<i>Millburn, New Jersey</i>
Stephen Wentworth Carr <i>Economics</i>	<i>Waltham, Massachusetts</i>
Kenneth Gabriel Cousens <i>Biology</i>	<i>Highland Park, Illinois</i>
Julian Raymond Davis, Jr. <i>American Studies</i>	<i>Lanham, Maryland</i>
Jeffrey Lewis Denburg <i>Chemistry</i>	<i>Brooklyn, New York</i>
Jeffery Gesell Derge <i>Chemistry</i>	<i>Pittsburgh, Pennsylvania</i>
Peter Sidney Derow <i>Classics</i>	<i>Newton Centre, Massachusetts</i>
Samuel Bernard Ellenport <i>American Studies</i>	<i>Union, New Jersey</i>

Robert Jason Elowitch <i>Dramatic Arts</i>	Portland, Maine
Mark Joseph Esterman <i>English</i>	Lawrence, New York
Wood Robertson Foster, Jr. <i>American Studies</i>	St. Paul, Minnesota
Carl Thomas Furniss, Jr. <i>American Studies</i>	West Hartford, Connecticut
John Isaac Gallin <i>Biology</i>	New York, New York
Robert Fisk Giddings <i>Biology</i>	Old Bennington, Vermont
Robert John Goetzl <i>Political Science</i>	Amherst, Massachusetts
Douglas Gerald Gordon <i>Philosophy</i>	Bristol, Connecticut
David Gorenberg <i>Biology</i>	Miami Beach, Florida
David Alexander Samuel Greenberg <i>Psychology</i>	Washington, D. C.
Howard Edward Greene, Jr. <i>Physics</i>	Charlotte, North Carolina
Carl Inger Hammer, Jr. <i>German</i>	Duluth, Minnesota
Nicholas Jackson Hardin <i>English</i>	Needham, Massachusetts
James Robert Hazen <i>Chemistry</i>	Somerville, New Jersey
Lawrence Walter Henderson <i>German</i>	Indianapolis, Indiana
Thomas Osborn Horst <i>Economics</i>	Beaver Falls, Pennsylvania
David Carl Itzkowitz <i>History</i>	Brooklyn, New York
William Graham Jacobi <i>Economics</i>	Yonkers, New York
Jerold Lance Jacobs <i>Political Science</i>	Hewlett, New York
Edward Paul Kahn <i>English</i>	Chicago, Illinois
William Ward Kates <i>Economics</i>	Elizabeth, New Jersey
Sherman Elliott Katz <i>Political Science</i>	Pittsburgh, Pennsylvania
Rushworth Moulton Kidder <i>English</i>	Amherst, Massachusetts

David Lewis Kirp <i>American Studies</i>	Bay Shore, New York
Jeffrey Samuel Kittay <i>French</i>	Port Chester, New York
Dennis Stephen Klinge <i>History</i>	Tenafly, New Jersey
Richard James Klivans <i>Physics</i>	Youngstown, Ohio
Wayne D. Kniffin, Jr. <i>Philosophy</i>	Cleveland Heights, Ohio
Stoddard Lane, III <i>Economics</i>	Los Alamitos, California
Frederick Dunbar Lewis <i>Chemistry</i>	Westport, Connecticut
Barry Monroe Loewer <i>Philosophy</i>	Bayside, New York
Kirk Edward Long <i>Psychology</i>	Orinda, California
Warren Edward Lux, Jr. <i>Philosophy</i>	Syosset, Long Island, New York
John Douglas Mann <i>Biology</i>	St. Charles, Illinois
Lewis James Markoff <i>Biology</i>	New Haven, Connecticut
Paul Julius Mayer <i>Biology</i>	Jamaica, New York
William Elliott McAlpine, Jr. <i>Political Science</i>	Kingsport, Tennessee
Angus William McDonald, Jr. <i>Economics</i>	Lexington, Kentucky
Forbes Alexander McMullin <i>Biology</i>	Weston, Massachusetts
Peter Hunt Meek <i>English</i>	Brookline, Massachusetts
John Warren Merrill <i>American Studies</i>	South Hampton, New Hampshire
Robert William Milkey <i>Physics</i>	Bethesda, Maryland
George Alfred Mudge <i>History</i>	Lyme, New Hampshire
Patrick Judd Murray <i>American Studies</i>	Albuquerque, New Mexico
Lawrence Rutledge Myers <i>Economics</i>	Oberlin, Ohio

Peter Lang Nevin <i>Economics</i>	Bay Shore, New York
Geoffrey Sawyer Parker <i>American Studies</i>	Weston, Massachusetts
Mark William Perry <i>Economics</i>	Summit, New Jersey
Roger Keith Pitman <i>Biology</i>	Port Washington, New York
Tibor Thomas Polgar <i>Physics</i>	New York, New York
Gordon Morrell Pradl <i>English</i>	Watchung, New Jersey
Paul Martin Proulx <i>Spanish</i>	Biddeford, Maine
John Christian Ransmeier <i>History</i>	Concord, New Hampshire
Dennis Raymond Ridley <i>Psychology</i>	Portland, Oregon
Jeffrey Herbert Rohlfis <i>Economics</i>	Miami, Florida
Jon Erik Rolf <i>Psychology</i>	Beverly Hills, California
Donald Jay Roufa <i>Biology</i>	Clayton, Missouri
David Simeon Salkever <i>Economics</i>	New Paltz, New York
John White Sansing <i>English</i>	Memphis, Tennessee
Jonathan Donald Saphier <i>Political Science</i>	Greenwich, Connecticut
Harvey Maynard Sheldon <i>American Studies</i>	Winnetka, Illinois
Roger Albert Siemens <i>Biology</i>	Kentfield, California
Jack William Simon <i>Biology</i>	Deal, New Jersey
Richard Maury Sims, III <i>Political Science</i>	Tiburon, California
David Bruce Smith <i>French</i>	Canton, Ohio
Avi Joel Stachenfeld <i>Political Science</i>	Brooklyn, New York
Robert Merrill Strimer, Jr. <i>Biology</i>	Delaware, Ohio
Jeff Todd Titon <i>American Studies</i>	Hewitt, New Jersey

Daniel Martin Tuman	<i>New Orleans, Louisiana</i>
<i>History</i>	
John Howard Wahlert	<i>Manhasset, New York</i>
<i>Geology</i>	
Oliver William Welch	<i>St. Paul, Minnesota</i>
<i>German</i>	
Arthur Bampton Wenk	<i>Mountain Lakes, New Jersey</i>
<i>Music</i>	
Robert Lee Williams	<i>Seattle, Washington</i>
<i>Political Science</i>	
Bruce Ulrich Wintroub	<i>Omaha, Nebraska</i>
<i>Biology</i>	

Rite

Michael Luis Alcivar	<i>New York, New York</i>
David Elbert Austin	<i>Norton, Massachusetts</i>
Charles McKendree Ayers	<i>Riverside, Connecticut</i>
Stephen Bancroft	<i>Waterville, Maine</i>
George Bassos	<i>West Hartford, Connecticut</i>
Gary Ralph Bech	<i>Beaverton, Oregon</i>
Jeffrey Alan Bleckner	<i>Malverne, New York</i>
Stephen Paul Booth	<i>Pittsfield, Massachusetts</i>
Richard Curtis Bourne	<i>Fairmont, West Virginia</i>
Lee Richards Bradley	<i>Weston, Connecticut</i>
John Cameron Bretl	<i>Wyncote, Pennsylvania</i>
Benjamin Bump	<i>Hampden, Massachusetts</i>
Peter Kirke Bumpus	<i>Grosse Pointe, Michigan</i>
Charles Ingraham Bunting	<i>Cambridge, Massachusetts</i>
Robert Barkley Calkins	<i>St. Louis, Missouri</i>
Samuel Henry Clarke	<i>Florence, Massachusetts</i>
Frederic Warren Clifford, III	<i>Minneapolis, Minnesota</i>
William Warren Daniel, Jr.	<i>Morristown, New Jersey</i>
Jeffery DePasqua	<i>Needham, Massachusetts</i>
Edward Stanley Dermon	<i>White Plains, New York</i>
William Richard Donaldson, Jr.	<i>Mountain Lakes, New Jersey</i>
Harry Gaylord Dorman, III	<i>Blauvelt, New York</i>
Stanley Bradford Durkee	<i>Alexandria, Virginia</i>
Allen Hill Eastman	<i>Wilmington, Delaware</i>
Dwight Reid Eastman	<i>Lake Forest, Illinois</i>
Robert Warren Ecke	<i>Teaneck, New Jersey</i>
Henry Hoy Mons Eide	<i>Missoula, Montana</i>
William Joseph Elliott	<i>Braintree, Massachusetts</i>
Michael Alan Evans	<i>New York, New York</i>
James Malcolm Foster	<i>Carmel, California</i>
James Robert Foster	<i>New Canaan, Connecticut</i>
Jonathan Frey	<i>Scarsdale, New York</i>

David Foss Garrison
 Steven Munroe Gates
 Lexow Grant
 Robert Alan Green, Jr.
 Jonathan Frederick Hahn
 Frederick Leslie Hall
 Jeffrey Lyman Hall
 Thomas Prindiville Hamilton
 James Edward Hannah
 Edward Clements Harriman
 Zsolt Paul Harsanyi
 Lowell Albert Henry, Jr.
 James Michael Horelick
 Jeffrey Alan Horn
 John Prentice Howe, III
 Andre William Irvine
 David Sanderson Joys
 John Robert Keebler
 Brian Duncan Keith
 Donald Alvin Kopp
 Andrew Frank Lawrence
 David Allen Leese
 Paul Allen Levy
 Richard Trafton Leyden
 Robert Whitten Longsworth
 David Hudon MacInnes
 Donald Thomas MacNaughton
 Peter Martin Manuelian
 Michael Fedwick Mattingly
 Hohn Haynes McAnulty
 Edwin Graham McBride
 James Patrick McCashin, II
 Duncan Carl McDougall
 Albert Robert Menard, III
 George Ralph Michaels
 Christopher Avery Mills
 William Charles Mitchell
 William Henry Newell
 Peter Art Nickles
 Jon Northrop
 Harold Weeks Oliver, III
 Charles Anthony Packard
 Geoffrey Leask Phillips
 Peter Raymond Pinney
 Michael Alan Pohl
 Thomas Martin Poor

Lincoln, Massachusetts
Perry, New York
Chicago, Illinois
Harrison, New York
Scarsdale, New York
Wyckoff, New Jersey
New Canaan, Connecticut
Honolulu, Hawaii
Elgin, Illinois
St. Paul, Minnesota
Carteret, New Jersey
Cleveland, Ohio
Westport, Connecticut
Scarsdale, New York
Moscow, Idaho
Mexico, D.F.Z., Mexico
Milwaukee, Wisconsin
Sarver, Pennsylvania
Ridgefield, Connecticut
Berwyn, Pennsylvania
Mt. Kisco, New York
Hamburg, New York
South Bend, Indiana
Briarcliff Manor, New York
Hicksville, Ohio
Northampton, Massachusetts
Chatham, New Jersey
New York, New York
Washington, D. C.
Rochester, New York
Sewickley, Pennsylvania
Pluckemin, New Jersey
Wilmette, Illinois
Boulder, Colorado
Geneva, New York
Farmington, Michigan
Amherst, Massachusetts
Bellows Falls, Vermont
Middletown, New York
Westfield, New York
North Caldwell, New Jersey
Evanston, Illinois
Arlington, Virginia
West Hartford, Connecticut
University Heights, Ohio
Montclair, New Jersey

Francis Edward Potter, Jr.	<i>Greenwich, Connecticut</i>
Stephen Mark Rediker	<i>New York, New York</i>
Christopher Breinig Reid	<i>Buffalo, New York</i>
Fred Lee Richardson	<i>Columbus, Ohio</i>
Dale Allen Richter	<i>Longmeadow, Massachusetts</i>
Wallace Goodwin Rodger	<i>Hudson, Massachusetts</i>
Stephen Druss Rosenheck	<i>New York, New York</i>
John Frederick Rousseau, Jr.	<i>Chappaqua, New York</i>
David Benton Rowell	<i>Amherst, Massachusetts</i>
Richard Rubinger	<i>Larchmont, New York</i>
John Paul Ruppe	<i>Rutland, Vermont</i>
Paul Theodore Ruxin	<i>University Heights, Ohio</i>
George David Savidge	<i>Lambertville, New Jersey</i>
Tim Michael Savinar	<i>Portland, Oregon</i>
Fred Carl Schaschl	<i>West Hartford, Connecticut</i>
Andrew Norman Schwartz	<i>St. Louis, Missouri</i>
Roger Huston Scott	<i>Lansdowne, Pennsylvania</i>
John Marshall Sellers	<i>Longmeadow, Massachusetts</i>
Deming Eliot Sherman	<i>Providence, Rhode Island</i>
Blake Halcyon Skinner	<i>Yonkers, New York</i>
Arthur Bradley Soule, III	<i>Shelburne, Vermont</i>
Samuel Burchard Spencer	<i>Middlebury, Connecticut</i>
Gary George Stein	<i>Valley Stream, New York</i>
Ludek Jaroslav Strnad	<i>South Portland, Maine</i>
Laird James Stuart	<i>Short Hills, New Jersey</i>
Peter Ross Szekely	<i>Danville, California</i>
Yasuhiko Tanaka	<i>Tokyo, Japan</i>
Brian Bruce Taylor	<i>Portland, Oregon</i>
Douglas Hugh Tinney	<i>South Braintree, Massachusetts</i>
George Spencer Trees, Jr.	<i>Oak Brook, Illinois</i>
Kenneth Wayne Virtue	<i>Litchfield, Connecticut</i>
Eric Lee Walgren	<i>Amherst, Massachusetts</i>
Donald Albert Walker, Jr.	<i>Grosse Point, Michigan</i>
John Patrick Ward, Jr.	<i>Fayetteville, New York</i>
Alexander Dillingham Washburn	<i>Greenwich, Connecticut</i>
Michael Allen Wheeler	<i>Gloucester, Massachusetts</i>
John Richard Williams	<i>Washington, D. C.</i>
Junius White Williams	<i>Richmond, Virginia</i>
Marcus Cole Winter	<i>Chicago, Illinois</i>
William Archibald Wood, III	<i>Hudson Heights, Quebec, Canada</i>
Masaru Yokomoto	<i>Takatsuki City, Osaka, Japan</i>
Stephen Randall Young	<i>Shaker Heights, Ohio</i>
Howard Zeiller	<i>Richardson, Texas</i>
Edward Austin Zimmerman	<i>Algonquin, Illinois</i>

Honorary Degrees Conferred

September 13, 1964

MASTER OF ARTS

Jeffrey James Carre
Arnold Peter Collery
Richard Martin Foose
Benjamin Franklin McCabe
Dudley Herbert Towne
Alfred Burton Willcox

May 28, 1965

DOCTOR OF HUMANE LETTERS

Frederick Scouller Allis, Jr. 1935
Jacqueline Lévy-Despas

DOCTOR OF SCIENCE

Mary Ingraham Bunting
John Rock

DOCTOR OF LAWS

William Lucius Cary
Will Mercer Cook, 1925
Eustace Seligman, 1910
Ernest Miller Whitcomb, 1904

Medal for Eminent Service Awarded

May 28, 1965

Louis Franklin Eaton, 1915

IV
Enrollment

Enrollment

FALL SEMESTER

1965-1966

GRADUATE STUDENTS

Bassos, George
Eckroad, Steven
Erickson, Eric Beachley
Gauthier, Joseph John
Lloyd, Brian Ford
Tobon, Ramiro Ramirez

West Hartford, Conn.
Yellowsprings, Ohio
Hagerstown, Md.
Pittsfield, Mass.
Washington, D. C.
Columbia, South America

SENIORS — *Class of 1966*

Abbott, Robert Thorne
Alcaly, Peter James
Allen, John Merithew, Jr.
Andorsky, Michael Bruce
Angleman, John Douglas
Asmussen, Dennis Gene
Atkinson, Charles Ora
Atlas, Jay David
Atwood, Harold Shuttleworth, III
Bacon, Kenneth Hogate
Behnke, Michael Clare
Benkovich, Andrew Zoltan
Bergman, William Leslie
Black, Leslie Francis
Blackey, Theodore David
Blake, Julian Gaskill
Bloom, Marshall Irving
Bloom, Paul Barry
Boicourt, William Closson
Bracklow, Manfred Heinz
Browder, David Sheldon
Browne, Peter Morse
Buechner, Jay Stark
Buehler, Peter Kane
Bugli, Mark Rolleston
Bump, Jonathan
Burwell, Brian Rocco
Butler, Paul William
Caley, Richard Morgan
Carson, Robert Prescott
Chenoweth, Michael Oliver
Christie, Peter Louis

West Islip, N. Y.
New York, N. Y.
Strafford Wayne, Pa.
West Hartford, Conn.
Chatham, N. J.
Amherst, Mass.
Hingham, Mass.
Houston, Texas
West Caldwell, N. J.
Amherst, Mass.
Grand Rapids, Mich.
Rocky Hill, Conn.
Westbury, N. Y.
Larchmont, N. Y.
New York, N. Y.
Rumson, N. J.
Denver, Colo.
Manhasset, N. Y.
Amherst, Mass.
Kerhonkson, N. Y.
Wilmette, Ill.
Brunswick, Me.
Trumbull, Conn.
Upper Montclair, N. J.
Bedford, N. Y.
Weston, Mass.
South Freeport, Me.
Wakefield, Mass.
Avon, Conn.
Wilmette, Ill.
Richmond, Ind.
Bedford, N. Y.

Chuba, Daniel Paul	<i>Buffalo, N. Y.</i>
Clark, Benedict Charles	<i>Rochester, N. Y.</i>
Clark, Russell Gould, Jr.	<i>Middlebury, Conn.</i>
Clarke, Peter Parlee, II	<i>Longmeadow, Mass.</i>
Cobb, Benjamin Dyer	<i>Newton Centre, Mass.</i>
Coffee, John Collins, Jr.	<i>Manhasset, N. Y.</i>
Collins, Halsey Bingham	<i>Chevy Chase, Md.</i>
Comfort, Joe Robert	<i>Haworth, N. J.</i>
Connor, Robert Edward	<i>Cleveland, Ohio</i>
Coords, Deane Schuyler	<i>New York, N. Y.</i>
Cornelius, Charles Boyer Richards	<i>Providence, R. I.</i>
Corvino, Joseph M.	<i>Carlisle Barracks, Pa.</i>
Creed, William Everett	<i>Yorktown Heights, N. Y.</i>
Crow, Allen Faden	<i>Grosse Pointe, Mich.</i>
Culverwell, David Trevor	<i>Washington, D. C.</i>
Currier, Chester Searle	<i>Greenwich, Conn.</i>
Damon, Kent	<i>Rochester, N. Y.</i>
D'Avanzo, Thomas Anthony	<i>West Hartford, Conn.</i>
Davidson, Douglas Treat, III	<i>Swarthmore, Pa.</i>
Davis, Ames	<i>Nashville, Tenn.</i>
Davis, John Shuster	<i>Philadelphia, Pa.</i>
Deegan, Daniel John	<i>Tonawanda, N. Y.</i>
Dimock, Arthur Wellwood	<i>Amherst, Mass.</i>
Dimond, Paul Raymond	<i>Ann Arbor, Mich.</i>
Dittmar, James Starke	<i>Pittsburgh, Pa.</i>
Donovan, Peter Williams	<i>Sands Point, N. Y.</i>
Dowse, Harold Burgess	<i>Albany, N. Y.</i>
Dratt, Arnold Henry	<i>Massapequa Park, L. I., N. Y.</i>
Drury, Geoffrey	<i>Sheffield, Mass.</i>
Dukes, William David	<i>West Hartford, Conn.</i>
Dunlap, Douglas Allan	<i>Nashua, N. H.</i>
Dustin, William Knight	<i>Buffalo, N. Y.</i>
Dworkin, Eric John	<i>Roslyn Heights, N. Y.</i>
Dwyer, Michael Watson	<i>St. Louis, Mo.</i>
Ehrmann, Paul Lawrence	<i>Hanover, N. H.</i>
Eldredge, Charles Child	<i>East Greenwich, R. I.</i>
Evans, Robert John	<i>Pelham, N. Y.</i>
Fay, Henry Jonathan	<i>Chicopee Falls, Mass.</i>
Fiencke, George	<i>Bronxville, N. Y.</i>
Fierstine, Charles Morton	<i>University City, Mo.</i>
Fine, Jeffrey Mark	<i>Newton, Mass.</i>
Firman, Thomas Randolph	<i>Port Washington, N. Y.</i>
Fleisher, Robert London	<i>Silver Spring, Md.</i>
Forry, John Ingram	<i>Warson Woods, Mo.</i>
Frankel, Jerold Martin	<i>Atlanta, Ga.</i>
Froling, Stephen Roy	<i>Denver, Co'o</i>

Gallagher, Paul Bernard	<i>Great Neck, N. Y.</i>
Giarratana, John Victor, Jr.	<i>Springfield, Va.</i>
Giese, William Herbert	<i>Wellesley, Mass.</i>
Gingiss, Randall Jon	<i>Wilmette, Ill.</i>
Goodwin, Jonathan Hall	<i>Atlanta, Ga.</i>
Gordon, Robert Dana	<i>Hewlett Harbor, N. Y.</i>
Gottesman, Mark	<i>Succasunna, N. J.</i>
Gower, Laurence Chapin	<i>Attleboro, Mass.</i>
Green, Michael	<i>Lynbrook, N. Y.</i>
Greenblatt, David John	<i>Newton Highlands, Mass.</i>
Grossinger, Richard Selig	<i>Grossinger, N. Y.</i>
Guittard, John Roscoe	<i>Dallas, Texas</i>
Guyer, Mark Samuel	<i>Lynbrook, N. Y.</i>
Hall, John Stuart	<i>West Redding, Conn.</i>
Ham, George Caverno, Jr.	<i>Chapel Hill, N. C.</i>
Hamer, Andrew Marshall	<i>Lexington, Mass.</i>
Hard, Lawrence Edward	<i>Franklin, Mich.</i>
Hart, John Ellsworth	<i>Wellesley, Mass.</i>
Hartgen, Stephen Anthony	<i>Orono, Me.</i>
Hartman, Paul Tupper, Jr.	<i>St. Louis, Mo.</i>
Harwell, Coleman Alexander, II	<i>Franklin, Tenn.</i>
Hatch, Thomas Phillips	<i>Nutley, N. J.</i>
Hazlett, Thomas Milligan	<i>Evanston, Ill.</i>
Herold, Joseph Justin, III	<i>Rye, N. Y.</i>
Hethington, Dean Edward	<i>Amherst, Mass.</i>
Higbie, James Howard	<i>Bethesda, Md.</i>
Hill, James Daniel, Jr.	<i>Bethesda, Md.</i>
Hillman, John Bishop	<i>Schenectady, N. Y.</i>
Hoffman, Jeffrey Alan	<i>Scarsdale, N. Y.</i>
Hood, John Billingsley	<i>Wilmington, Del.</i>
Hornick, Robert Newton	<i>Pittsburgh, Pa.</i>
Howard, Kenneth Joseph, Jr.	<i>Manhasset, N. Y.</i>
Hsu, Sam	<i>Jamaica, N. Y.</i>
Hubbard, Francis Alley	<i>Wayland, Mass.</i>
Huberth, Jonathan Charles	<i>Lyme, N. H.</i>
Hunter, Robert William	<i>Meadowbrook, Pa.</i>
Hurley, Stephen Nash	<i>Weston, Mass.</i>
Isenberg, Elliott Stephen	<i>Forest Hills, N. Y.</i>
Isgur, Jay August	<i>Northampton, Mass.</i>
Jacknow, Charles Peter	<i>Elizabeth, N. J.</i>
Jackson, Samuel G., Jr.	<i>Hamden, Conn.</i>
Jacoby, John Burtner	<i>Birmingham, Mich.</i>
Jenkins, Charles Michael	<i>Kirkwood, Mo.</i>
Johnson, Stuart Earl	<i>Hamden, Conn.</i>
Johnston, Richard Wesley	<i>Royal Oak, Mich.</i>
Jones, Gordon Messick, III	<i>Ann Arbor, Mich.</i>

Joy, Ken Edward	<i>Needham, Mass.</i>
Kasell, Walter Bert	<i>New York, N. Y.</i>
Katz, Michael Steven	<i>Hartford, Conn.</i>
Kellogg, Robert Evans	<i>New Hartford, N. Y.</i>
Kelly, Robert John, Jr.	<i>Port Chester, N. Y.</i>
Ketterer, Theodore, III	<i>Pittsburgh, Pa.</i>
Kim, Dai Young	<i>Seoul, Korea</i>
King, John Swinton, Jr.	<i>Ann Arbor, Mich.</i>
King, Peter, Jr.	<i>Harrow, Middlesex, England</i>
Klein, Richard Maxwell	<i>Richmond, Va.</i>
Knutsen, Carl Christian	<i>Chagrin Falls, Ohio</i>
Koenig, Arthur Wayne	<i>Deerfield, Ill.</i>
Kroll, John Gregory	<i>Poughkeepsie, N. Y.</i>
Kurz, Roger Charles	<i>Winnetka, Ill.</i>
Kuzminski, Adrian Edward	<i>Rochester, N. Y.</i>
Lamm, Leonard Jonathan	<i>Brooklyn, N. Y.</i>
Lane, John David	<i>Princeton, N. J.</i>
Larrabee, Frederick Stephen	<i>Old Deerfield, Mass.</i>
Latham, John Aaron	<i>Tucson, Ariz.</i>
Law, Kenneth Quentin	<i>Rangoon, Burma</i>
Leach, George Brown, Jr.	<i>Louisville, Ky.</i>
Leisinger, Albert Martin	<i>Bethesda, Md.</i>
Leopold, Bruce Carl	<i>Washington, D. C.</i>
Leplin, Jarrett	<i>San Mateo, Calif.</i>
Lerchen, Edward Hodson, Jr.	<i>Bloomfield Hills, Mich.</i>
Lewin, Robert David	<i>Malden, Mass.</i>
Lewis, John Linke	<i>Briarcliff Manor, N. Y.</i>
Lindley, John Mason	<i>Wilmington, Del.</i>
Ling, William Halstead	<i>Kinderhook, N. Y.</i>
Lipskin, Samuel Edmond	<i>Kew Gardens, N. Y.</i>
Liu, Korbin	<i>Washington, D. C.</i>
Lodwig, Siegfried Norbert	<i>Buffalo, N. Y.</i>
Love, Thomas Marable	<i>Gainesville, Fla.</i>
Lozner, Eugene Culver	<i>Syracuse, N. Y.</i>
Luedde, Charles Edwin	<i>St. Louis, Mo.</i>
Lycan, William Gregory	<i>New Brunswick, N. J.</i>
Lyster, Robert Carter	<i>Fairfield, Conn.</i>
McCammon, Stephen Robert	<i>Lakewood, Colo.</i>
McCann, David Richard	<i>Newton, Mass.</i>
McClare, Alan David	<i>Bronxville, N. Y.</i>
MacDonald, Douglas Murray	<i>New Canaan, Conn.</i>
McEwen, Walter Robert, Jr.	<i>Washington, D. C.</i>
McGrath, Hugh Peter	<i>Annapolis, Md.</i>
McKenzie, John Durward, Jr.	<i>Weston, Mass.</i>
MacLennan, John Alger	<i>Braintree, Mass.</i>
McMahan, Andrew Knight	<i>Great Falls, Va.</i>

MacMillan, John Richard
 Martula, David Thomas
 Maurer, Evan Maclyn
 Maurer, Steven Albert
 Mayo, Frederic Breed, Jr.
 Mead, Lawrence Myers, III
 Meiklejohn, Alexander Moore
 Mellor, Kirk
 Merrill, Lawrence Everett
 Merson, Michael Howard
 Milestone, Ronald M.
 Miller, Melville DeSoto, Jr.
 Miller, Richard Allen
 Miller, Robert Finch
 Morine, David Edward
 Morse, Richard Roger
 Morton, Albert Kent
 Mudge, Gilbert Horton, Jr.
 Murphy, James Patrick, Jr.
 Murray, Neil Richard
 Murray, Stephen Curran
 Norall, Peter Stewart
 O'Connell, Daniel Helfenstein
 Okazaki, Haruhiko
 Oliver, Peter Norton
 O'Loughlin, Peter Joseph
 O'Neal, Edward Asbury, III
 Opton, Michael Peter
 O'Reilly, Bernard George
 Pardee, Schuyler, III
 Parel, James Christopher
 Parson, Thomas
 Passmore, John Lincoln
 Peck, Jerome F., III
 Peet, William, Jr.
 Phillips, Watson Lyman
 Pitzman, Marsh Skipper
 Plate, Thomas Gordon
 Platt, Kenneth Bowman
 Powers, Alan William
 Ramsay, David Bright
 Regan, Daniel
 Reiner, Eric Alan
 Rodgers, Dwight Foster
 Rogers, Winslow Smith
 Rokoszak, Myron Chester

Summit, N. J.
 Hadley, Mass.
 West Orange, N. J.
 Lancaster, Pa.
 Swampscott, Mass.
 Huntington, N. Y.
 Syracuse, N. Y.
 Mahwah, N. J.
 North Penobscot, Me.
 Rockville Centre, N.Y.
 Merion, Pa.
 Basking Ridge, N. J.
 Easton, Conn.
 Washington, D. C.
 Arlington, Mass.
 Marion, Kan.
 Richmond, Va.
 Lyme, N. H.
 Butte, Mont.
 Stony Brook, N. Y.
 Albuquerque, N. M.
 London, England
 Chappaqua, N. Y.
 Kobe, Japan
 Amherst, Mass.
 Meriden, Conn.
 St. Louis, Mo.
 Portland, Oregon
 LaGrange Park, Ill.
 New Vernon, N. J.
 Arlington, Va.
 Charlottesville, Va.
 Rutledge, Pa.
 Mt. Kisco, N. Y.
 St. Paul, Minn.
 North Haven, Conn.
 St. Louis, Mo.
 Farmingdale, N. Y.
 Minneapolis, Minn.
 East Longmeadow, Mass.
 Colorado Springs, Colo.
 New York, N. Y.
 Mexico 5, D.F., Mexico
 Norwalk, Conn.
 West Lafayette, Ind.
 South Deerfield, Mass.

Rollins, Michael	<i>Portland, Me.</i>
Rose, Francis Leland, Jr.	<i>Haddonfield, N. J.</i>
Roselene, Edward Albert, Jr.	<i>Little Falls, N. J.</i>
Rosen, Jonathan Peter	<i>Westport, Conn.</i>
Rosenberg, Mark Jeffrey	<i>Maplewood, N. J.</i>
Rosengarten, Theodore Harvey	<i>Massapequa, N. Y.</i>
Rosiny, Allen Paul	<i>Monsey, N. Y.</i>
Rous, Walter	<i>Englewood, N. J.</i>
Roush, Thomas Weld	<i>Peninsula, Ohio</i>
Rubenstein, Richard Arnold	<i>Dunkirk, N. Y.</i>
Rubenstein, Richard Wright	<i>Albany, N. Y.</i>
Rudd, Peter	<i>New York, N. Y.</i>
Russ, Charles Paul	<i>Brookville, N. Y.</i>
Saklad, James Robert	<i>Providence, R. I.</i>
Savul, Jawed S.	<i>Karachi, Pakistan</i>
Sawyer, Kenneth Warren	<i>Little Silver, N. J.</i>
Sawyer, Peter Arnold	<i>Port Chester, N. Y.</i>
Scharnberger, Charles Kirby	<i>St. Louis, Mo.</i>
Schwab, Sidney Mayer	<i>Portland, Ore.</i>
Senesky, Kurt George	<i>Somerville, N. J.</i>
Sessions, John Millard	<i>East Aurora, N. Y.</i>
Shahan, Keith Ewing	<i>St. Louis, Mo.</i>
Shain, William Geisse, Jr.	<i>Strafford Wayne, Pa.</i>
Sharefkin, John Bard	<i>Brooklyn, N. Y.</i>
Smith, Malcolm Sydney	<i>Wethersfield, Conn.</i>
Snyder, William Lloyd, III	<i>Lancaster, Pa.</i>
Steele, Philip Lee	<i>Wethersfield, Conn.</i>
Stewart, John Tower	<i>West Hartford, Conn.</i>
Stewart, Rudolph Egan	<i>Amherst, Mass.</i>
Stillings, Neil Arthur	<i>Appleton, Wis.</i>
Storer, John Edgar, III	<i>Indianapolis, Ind.</i>
Strang, Arthur I., III	<i>Schenectady, N. Y.</i>
Sturges, Thomas Rush, II	<i>Ardsley-on-Hudson, N. Y.</i>
Sutton, Jonathan Stone	<i>Columbus, O.</i>
Swaney, John Brewster	<i>South Hadley, Mass.</i>
Swift, Jonathan Gordon	<i>Middletown, Conn.</i>
Swisher, Peter Nash	<i>Louisville, Ky.</i>
Tamsky, Leonard Irwin	<i>University City, Mo.</i>
Taylor, Herbert William, III	<i>Fayetteville, N. Y.</i>
Taylor, Thomas Robert	<i>Amherst, Mass.</i>
Teasdale, John Robert, Jr.	<i>St. Paul, Minn.</i>
Tesch, Frederick Edwin	<i>Osage, Iowa</i>
Thalheimer, Louis Blaustein	<i>Scarsdale, N. Y.</i>
Thomas, Christopher Pearce	<i>North Hills, Pa.</i>
Trask, Charles Brian	<i>Bernard, Me.</i>
Ullian, Robert Mark	<i>Merrick, N. Y.</i>

Vine, John Mark
 vonOesen, Henry Davis
 Walker, James Vincent, Jr.
 Walsh, Birrell Thomas
 Ward, John Chapman
 Wasserman, Dean Robert
 Waugh, Joseph Martin
 Webb, Robert Allen
 Weiss, Gerard Hubbel
 Wiley, Harold Howard, Jr.
 Willbern, David Pierce
 Wilson, John William, III
 Wilson, Scott William
 Wise, Paul Landis, Jr.
 Wise, William Mason, III
 Wolpaw, Jonathan Rickel
 Worthen, Thomas Fletcher
 Wray, Charles Kadel
 Yaverbaum, Harvey Joel
 Zeigler, Donald Hazen

Trenton, N. J.
 Wilmington, N. C.
 Columbus, O.
 Riverside, Calif.
 Alexandria, Va.
 Philadelphia, Pa.
 Verona, N. J.
 Minneapolis, Minn.
 White Plains, N. Y.
 Lunenburg, Mass.
 Coffeyville, Kan.
 Cherry Hill, N. J.
 Santa Barbara, Calif.
 Rosemont, Pa.
 Hingham, Mass.
 Shaker Heights, O.
 Little Rock, Ark.
 Nashville, Tenn.
 Brooklyn, N. Y.
 Urbana, Ill.

JUNIORS — *Class of 1967*

Ahlskog, Gary Robert
 Allen, Edward Gerald, II
 Allen, Mark Harold
 Alpren, Thomas Victor Parsonnet
 Anderson, Miles Bradley
 Andrews, David Evans
 Angell, Philip Sloane
 Arghyros, Stelios
 Aronow, Frederick Douglass Moses
 Asakai, Kazuo
 Avins, Laurence Richard
 Barberi, Robert Obed
 Beattie, Robert James
 Beaumont, Philip Davis
 Beech, Joseph, III
 Belden, Jeffrey Lawrence
 Berry, Richard Preston, Jr.
 Bertrand, Donald Ernest
 Bickman, Martin Elliott
 Billesdon, John Christopher
 Billings, John Andrew
 Black, David Hodosh
 Blair, Colin Campbell
 Blakey, Robert, Jr.

Denver, Colo.
 Newark, Del.
 Bronxville, N. Y.
 West Orange, N. J.
 Sag Harbor, N. Y.
 Medford, N. J.
 Grosse Pointe, Mich.
 Athens, Greece
 Newton, Mass.
 Kanagawa-ken, Japan
 Princeton, N. J.
 Hamden, Conn.
 York, Pa.
 Hadley, Mass.
 Cincinnati, Ohio
 Orange, N. J.
 Goffstown, N. H.
 St. Albans, N. Y.
 Boston, Mass.
 Lathrup Village, Mich.
 Los Angeles, Calif.
 Springfield, Mass.
 New York, N. Y.
 Phoenix, Ariz.

Boger, William Pierce, III	Wayne, Pa.
Boxer, Michael Alan	Pittsfield, Mass.
Boyd, John Joseph, Jr.	Longport, N. J.
Bradley, Edward Francis, Jr.	Waterbury, Conn.
Brent, Peter Laurence	Sanderstead, Surrey, Eng.
Breton, Michael Eugene	Wakefield, Mass.
Brooks, Rene Daniel	Milltown, N. J.
Brosgol, Benjamin Michael	Philadelphia, Pa.
Bryan, Trevor George	New Orleans, La.
Buell, John Webber	Grosse Pointe Farms, Mich.
Bulloch, Cary Guyton, Jr.	Eastman, Ga.
Bunn, Paul Axtell, Jr.	DeWitt, N. Y.
Calvert, Jay Hamilton, Jr.	Darien, Conn.
Campbell, Michael Ian	San Mateo, Calif.
Christensen, Sigurd William	Forest Grove, Pa.
Chrzanowski, Raymond David	Naugatuck, Conn.
Clamurro, William Henry	Nutley, N. J.
Clark, Alden Samuel	Newton, Mass.
Clarke, Richard Preston	Phoenix, Ariz.
Clarke, Steven Ayres	Minneapolis, Minn.
Cleaveland, Henry Folger, Jr.	Stony Brook, N. Y.
Clough, Rodney Bancroft	Rye, N. Y.
Clyman, Ronald Ian	Scarsdale, N. Y.
Cohen, Stephen Bruce	Wyncote, Pa.
Cole, Douglas Reese	Holden, Mass.
Cole, Jonathan Richard	Arlington, Mass.
Collins, David Alexander	Hastings-on-Hudson, N. Y.
Cook, Jacques	Dakar, Republic of Senegal
Coombs, Peter Brooks	Paris, France
Cross, John Earle	Bethesda, Md.
Crouch, Henry Lee	Courtland, Miss.
Cummings, Waldo Beaman, Jr.	Atikokan, Ontario, Canada
Cunningham, Charles Godvin, Jr.	Norwalk, Conn.
Cunningham, John Mason	Paxton, Mass.
Dahir, Victor William	Barrington, Ill.
Damon, George Huntington, Jr.	Meredith, N. H.
Damus, Alfred John	Pittsburgh, Pa.
Dasher, John Marshall	Columbus, Ohio
Davis, Richard Michael	Brooklyn, N. Y.
Dawson, Paul Phillips	New York, N. Y.
DeLapp, Steven Clarke	New Canaan, Conn.
Dembe, David	Bayonne, N. J.
Dmuhovsky, Joseph, Jr.	Brimfield, Mass.
Dodge, Peter Jackson	Ann Arbor, Mich.
Doherty, Hamilton, Jr.	Albion, N. Y.
Donner, Wayne Winters	South Braintree, Mass.

Driver, Michael James
 Dropkin, Gregory Victor
 Duffy, David Lee
 Dupuy, Howard Dalton
 Dustin, Peter G.
 Ebert, Charles Josef
 Eisenberg, Edward Lewis
 Ellen, Terence Holliday
 Erickson, Peter Brown
 Eveleth, Jeffrey Saxton
 Farley, Thomas William
 Fels, Thomas Weston
 Finerty, James Patrick
 Fischel, William Alan
 Fitchen, John Hardy
 Fliegel, Dorian Joseph
 Forrester, Robert Thomas
 Franklin, Robert Sharp
 Freeman, John Howard
 Friedman, Alan Edward
 Friedmann, Philip Michael
 Gallant, Michael Charles
 Gantz, Jeffrey Michael
 Gilmore, Stephen Lewis
 Goff, Christopher Godfrey
 Gold, Gary Richard
 Goodearl, Kenneth Ralph
 Goodwin, James Simeon
 Gordon, Irvin Dean
 Goullaud, Eric Lindsey
 Grean, Bruce Charles
 Greene, David
 Greene, James Whitney
 Greenlie, David Graham, Jr.
 Greenspan, Peter Tebet
 Greve, Frank John
 Grove, Barry Stephen
 Hailey, Jack David
 Haines, Michael Robert
 Hall, Jeffrey Connor
 Hamilton, Roger Edward
 Hannes, Steven Paul
 Hansen, Carlo Giuseppe Maugini
 Harris, Alan Wheeler
 Harris, Samuel Young
 Harvey, Bartlett, Jr.

Midland, Mich.
Adelphi, Md.
Port Washington, N. Y.
Prescott, Ariz.
Buffalo, N. Y.
New York, N. Y.
New Rochelle, N. Y.
Towson, Md.
Worcester, Mass.
Longmeadow, Mass.
Grosse Ile, Mich.
North Bennington, Vt.
Grosse Pointe Woods, Mich.
Bethlehem, Pa.
Hamilton, N. Y.
Mineola, N. Y.
Drexel Hill, Pa.
Dalton, Mass.
Worcester, Mass.
Denver, Colo.
Highland Park, Ill.
Teaneck, N. J.
New Hope, Pa.
Manlius, N. Y.
Swansea, Mass.
Hicksville, N. Y.
Quaker Hill, Conn.
Washington, D. C.
Marlboro, N. H.
Royal Oak, Mich.
Erie, Pa.
White Plains, N. Y.
Fair Haven, N. J.
Wiscasset, Maine
Elkins Park, Pa.
Staten Island, N. Y.
Toronto, Ontario, Canada
Phoenix, Ariz.
Chicago, Ill.
Bethesda, Md.
Chappaqua, N. Y.
Philadelphia, Pa.
Rome, Italy
Hawthorne, N. J.
Myrtle Beach, S. C.
McLean, Va.

- Havighurst, Alan Walter
 Hayes, Lewis Blyth
 Heller, Keith Stuart
 Hemley, Robert Benjamin
 Herbert, R. Bryce
 Hill, Frederick David
 Hill, Richard Headley
 Ho, Ben Tsun-Lin
 Hoge, Ronald Norris
 Hunter, Scott John
 Hunting, Daniel Booth
 Inglis, James
 Ingram, Kenneth John
 Jacobs, George Hewitt
 Jaep, William Frederick, Jr.
 Jamieson, Stephen Gould
 Jessup, Philip Samuel, II
 Johnson, David Stifler
 Johnson, Donald Arthur
 Johnson, Glenn Roger
 Johnson, Peter Hart
 Jones, Edward Roger, III
 Jones, Ray Carlton, Jr.
 Jones, Russell Gordon
 Kambe, Joseph Charles
 Kamoche, Jidlaph Gitau
 Karol, Jeffrey Warren
 Kaufman, Alan Harvey
 Kaufman, Christopher Lee
 Kawada, Charles Yoichi
 Kawashima, Shigenari
 Keener, Lee Lanam, Jr.
 Keeney, Robert Leon
 Keith, Ian Forbes
 Kelly, J. Joseph, III
 Kelly, Richard Allen
 Khadduri, Farid Majid
 Kierstead, Mark Stuart
 Kimball, Robert Riopel
 Kimble, Ralph Joseph, Jr.
 Kramer, Michael Stuart
 Krause, Robert David
 Kurland, Geoffrey
 Laestadius, John Eric, Jr.
 Lake, Gordon Avery
 Lass, David Alan
 Shaker Heights, Ohio
 Washington, D. C.
 Valley Stream, N. Y.
 Woodmere, N. Y.
 Florence, S. C.
 New York, N. Y.
 Rochester, Minn.
 Chevy Chase, Md.
 Swarthmore, Pa.
 New Kensington, Pa.
 Cedar Rapids, Iowa
 Shaker Heights, Ohio
 Cranford, N. J.
 Shavertown, Pa.
 Wilmington, Del.
 Rochester, N. Y.
 Washington, D. C.
 Norfolk, Va.
 Rockland, Me.
 West Hartford, Conn.
 Montpelier, Vt.
 Baton Rouge, La.
 Chicago, Ill.
 Fitchburg, Mass.
 Philadelphia, Pa.
 Kenya, East Africa
 Newton Centre, Mass.
 Youngstown, Ohio
 Winnetka, Ill.
 Great Neck, N. Y.
 Tokyo, Japan
 Waterloo, Ontario, Canada
 Palo Alto, Calif.
 San Francisco, Calif.
 West Boylston, Mass.
 No. Bergen, N. J.
 Washington, D. C.
 Waterville, Me.
 Shrewsbury, Mass.
 Linden, Mich.
 Great Neck, N. Y.
 Providence, R. I.
 Rochester, Minn.
 Amherst, Mass.
 Evanston, Ill.
 Cincinnati, Ohio

LeFrak, Richard Stone
 Lehrman, Jonathan Warren
 Levine, James Alan
 Liem, Ronald Kian Hong
 Liss, Stuart Frederic
 Lofgren, Frederick Raymond, Jr.
 Long, Warren Paul
 Lucaire, Louis Edward
 Lundahl, Frederick Boyce
 Lustgarten, Laurence Sam
 Lyon, Richard Wakeman
 McBride, John Leland
 McCarthy, John James
 McCloskey, John Edward, III
 McClure, Rickey Hutson
 McDougal, John Steven
 MacKenzie, Budd Edward
 McMichaels, John William, Jr.
 McMullin, Kimball Ray
 McNeil, George Neal, Jr.
 MacPhillamy, Douglas John
 Madden, Edward Carlisle
 Maris, Masri
 Martin, John Garvie, III
 Meir, Dennis Scott
 Millar, Charles Rosier
 Miller, Robert Joseph
 Milmed, Paul Kussy
 Minkley, Edwin George, Jr.
 Minutillo, Richard Gregory
 Mitchell, David Merwin
 Morris, George Washington, III
 Muir, Warren Roger
 Nania, Anthony Joseph
 Nash, George Harlan, III
 Nassberg, Jay Guy
 Neill, Mather Humphrey, Jr.
 Neisloss, George Robert
 Nelson, Ralph Francis
 Nemethy, Andrew Leslie
 Newmann, William Edward
 Nixon, Donald Beuter
 Notopoulos, Philip James
 Noyes, Edmund Greenleaf, Jr.
 Nugent, Christopher William
 Okajima, Sadaichiro

Woodmere, N. Y.
Hewlett Harbor, N. Y.
Rockville Centre, N. Y.
Semarang, Indonesia
New Bedford, Mass.
Wellesley, Mass.
Evergreen Park, Ill.
Ho-Ho-Kus, N. J.
Minneapolis, Minn.
Brooklyn, N. Y.
Sloatsburg, N. Y.
Devon, Pa.
Dover, N. J.
Springdale, Pa.
Coral Gables, Fla.
Grand Rapids, Mich.
Washington, D. C.
Chatham, N. J.
Weston, Mass.
Weston, Mass.
Chatham, N. J.
Kearny, N. J.
Djakarta, Indonesia
Mount Kisco, N. Y.
New Rochelle, N. Y.
Saltsburg, Pa.
Easton, Conn.
Short Hills, N. J.
Holyoke, Mass.
Salem, Mass.
Sarasota, Fla.
South Orange, N. J.
Pelham, N. Y.
Canaan, Conn.
South Hadley, Mass.
Rockville Centre, N. Y.
Manchester, Conn.
West Hartford, Conn.
West Hartford, Conn.
Dover, Mass.
Highland Park, Ill.
Rhinebeck, N. Y.
West Hartford, Conn.
New Britain, Conn.
Gwynedd Valley, Pa.
Kitaku, Nagoya, Japan

Oliver, Thomas True
 Orenstein, David Mark
 Orkow, Alex Frank
 Ostwald, Thomas John
 Pace, Jonathan Abernathy
 Peirce, Jonathan Charles
 Perlet, Terry Lee
 Permesly, Lester Scott
 Pickert, Perry Lewis
 Pierpont, Richard Howe
 Pinkowitz, Andrew Roger
 Pittman, John Wesley, Jr.
 Power, Patrick Edmund
 Prentiss, John Gregory
 Price, David
 Purvis, David Stanley
 Ratichek, John Anthony
 Reid, Harry Fielding
 Reneau, Jerald Van
 Rice, Joseph Conrad
 Richman, Stephen Erik
 Roehrig, Charles Stockton
 Rouse, George Parke, III
 Rubin, Ronald Gary
 Ryan, Robert Winslow
 Ryerson, William Newton, III
 Sackheim, Donald Edward
 Sager, Anthony Paul
 Sarles, Harvey Jay
 Saronson, Paul Richard
 Schliemann, Peter Conkling
 Schneider, Douglas Loring
 Schwartz, Martin Snyder
 Schwemm, Robert George
 Seacrest, Eric Rushton
 Searl, Steven Scott
 Segal, Alan Franklin
 Senefelder, James Arthur
 Shapiro, Joel
 Shaw, William Steven
 Shepard, Douglas Brent
 Simmonds, Albert William
 Simons, Gerry Gale
 Simpson, William Jeffrey
 Skillman, Richard William
 Slater, Evan Dexter

Amherst, Mass.
North Plainfield, N. J.
Omaha, Neb.
Berkeley, Calif.
Dallas, Texas
New York, N. Y.
Summit, N. J.
Hollywood, Fla.
Phoenix, Ariz.
Worcester, Mass.
Bronx, N. Y.
Atlanta, Ga.
Torrington, Conn.
Hudson, Ohio
Huntington, N. Y.
Darien, Conn.
Summit, N. J.
West Redding, Conn.
Laconia, N. H.
Louisa, Ky.
Scarsdale, N. Y.
Wayland, Mass.
Gladwyne, Pa.
Cleveland Heights, Ohio
Seneca Falls, N. Y.
Swarthmore, Pa.
Larchmont, N. Y.
New York, N. Y.
Barrington, R. I.
Brooklyn, N. Y.
Beverly, Mass.
Arlington, Mass.
New Haven, Conn.
Barrington, Ill.
Lincoln, Neb.
Pittsford, N. Y.
Worcester, Mass.
Amherst, Mass.
Medford, Mass.
Chattanooga, Tenn.
Columbus, Ohio
Memphis, Tenn.
Montague City, Mass.
Pittsburgh, Pa.
Summit, N. J.
Riverside, Conn.

Smith, David Williamson
 Smith, Stephen Ensign
 Smith, Thomas Julius
 Soule, Ralph Stephen
 Spies, Richard Raymond
 Staniels, Jeffrey Lewis
 Stern, Jeffrey Seymour
 Sterner, Douglas Wyatt
 Stillman, Charles Milson
 Strang, Jonathan Peter
 Stuckless, John Shearing
 Stumpf, Paul Jergens
 Sweeney, Paul Hamilton
 Symansky, Richard David
 Symons, John Griffith, Jr.
 Taub, Warren Jay
 Taylor, Carson Gitt
 Taylor, Charles Roy
 Thomas, Arthur Seymour, III
 Thompson, Philip Covington
 Tivnan, Edward F. X.
 Tracy, Robert James
 Trenchard, George Ogden, Jr.
 Tucker, Jeffery James
 Turner, William Henry
 Tyler, Richard Dale, Jr.
 Villafane, Miguel
 vonFrank, Albert James
 Wade, Thomas Kevin
 Wales, Douglas Guilbert
 Wang, William Kai-Sheng
 Ward, Harold Rathbun, III
 Warner, Edward Parry
 Weinstein, Phillip Solomon
 Weissberg, Joseph Burt
 Wheeler, William Chamberlain, Jr.
 White, Jay Vincent
 White, John Francis
 Whitelaw, Robert I.
 Wilkins, Daniel Chaiim
 Williams, Jeremy Nathan
 Willius, Jeffrey David
 Wilson, Michael Sinclair
 Winter, Robert John
 Wire, John Lacy
 Wolff, John Hugh

Bronxville, N. Y.
 Amherst, Mass.
 Fair Lawn, N. J.
 Wilmette, Ill.
 Rochester, N. Y.
 Nassau, N. Y.
 Maplewood, N. J.
 Windsor, Conn.
 Brookline, Mass.
 Camden, Me.
 Troy, Pa.
 Nashville, Tenn.
 New York, N. Y.
 Troy, N. Y.
 Amherst, Mass.
 West Orange, N. J.
 Providence, R. I.
 Moorestown, N. J.
 New London, N. H.
 Metairie, La.
 Worcester, Mass.
 Alexandria, Va.
 Akron, Ohio
 Houston, Texas
 Covina, Calif.
 St. Paul, Minn.
 Mexico 5, D.F., Mexico
 Elkins Park, Pa.
 Los Altos, Calif.
 Cohasset, Mass.
 Chevy Chase, Md.
 Carpinteria, Calif.
 Willow Grove, Pa.
 Swampscott, Mass.
 Elizabeth, N. J.
 Upper Montclair, N. J.
 Philadelphia, Pa.
 South Lincoln, Mass.
 Shaker Heights, Ohio
 New York, N. Y.
 Westport, Conn.
 St. Paul, Minn.
 Eugene, Ore.
 St. Charles, Ill.
 South Millbrook, N. Y.
 St. Paul, Minn.

Woodard, Charles Clifton
 Woodruff, Robert McKim
 Yourtee, Edward Lawrence

Hastings-on-Hudson, N. Y.
West Hartford, Conn.
Clinton, N. Y.

SOPHOMORES — *Class of 1968*

Abrams, Lawrence Werner
 Achenbaum, Wilbert Andrew
 Ahrens, Philip Frederick William, III
 Albert, Allen Praigrod
 Alberts, Jay Laurence
 Allen, Russell Lawton
 Amsterdam, John Richard
 Anderson, Dennis Paul
 Anderson, Stephen Tingley
 Andrews, Elliott Seabury
 Arter, Charles Kingsley, III
 Baker, Albert Pasquale
 Ball, Richard
 Ball, William Eldon, Jr.
 Barker, Stephen Frederic
 Barton, David Wichmann
 Bashian, Ronald Stephen
 Bateman, Scott French
 Boger, Robert Shelton
 Bologna, John Richard
 Bonner, Stephen Barnes
 Booth, Forrest
 Booth, Richard Spaulding
 Borak, Jonathan Benjamin
 Boyer, Bruce Hatton
 Braden, Norman Brian
 Brent, James Foster
 Bresler, Michael Jay
 Brewer, Theodore Skerritt
 Brintnall, Michael Arthur
 Britt, Thomas Madison
 Broad, John Turnbull
 Brock, Robert Melvin, Jr.
 Brooks, William Russell
 Brown, Christopher Newell
 Brown, Peter Northrop
 Bruzelius, Nils Johan
 Bryant, Keith Alan
 Buchheim, Ronald Jay
 Budlong, Ted Warren
 Burt, William Edward

University City, Mo.
Devon, Pa.
Chappaqua, N. Y.
Miami Beach, Fla.
Cincinnati, Ohio
Des Moines, Iowa
Bala-Cynwyd, Pa.
East Haven, Conn.
Bethesda, Md.
Royal Oak, Mich.
Shaker Heights, Ohio
Buffalo, N. Y.
Westbury, N. Y.
St. Louis, Mo.
Dallas, Texas
Summit, N. J.
Manhasset, N. Y.
Highland Park, N. J.
Wayne, Pa.
Hartford, Conn.
Minneapolis, Minn.
East Walpole, Mass.
Plattsburgh, N. Y.
Great Neck, N. Y.
Evanston, Ill.
Waterdown, Ontario, Canada
Andover, Mass.
Silver Spring, Md.
Syracuse, N. Y.
Akron, Ohio
Raleigh, N. C.
Fayetteville, N. Y.
Ridgewood, N. J.
Burlington, Vt.
Princeton, N. J.
Wilmington, Delaware
West Redding, Conn.
Greene, N. Y.
East Rockaway, N. Y.
Bedford, N. Y.
Millburn, N. J.

Callahan, Edward Nolan	Baltimore, Md.
Chadwick, Timothy John MacKenzie	London, England
Chaleff, Roy Scott	New York, N. Y.
Chesler, Lewis Benson	University Heights, Ohio
Chiew, Choon-Ping	Sarawak, Malaysia
Chinoy, Marc Paul	Fort Lauderdale, Fla.
Chiu, Sin-Hang	Hong Kong
Chu, Ernest David	Chappaqua, N. Y.
Cliff, Thomas Vincent	Grosse Pointe, Mich.
Cobbs, Nicholas Hamner	Chappaqua, N. Y.
Cochran, Daniel Chester	Chicago, Ill.
Collings, Peter John	Ossining, N. Y.
Conrad, Daniel Schmalz	Baldwin, Md.
Cooper, Donald Miles	Allentown, Pa.
Cox, Louis Edward, Jr.	Pittsburgh, Pa.
Cushing, Josiah Stearns	Middleboro, Mass.
D'Agostino, Frederick Bruce	Morrisville, Pa.
Damashek, Marc	Brooklyn, N. Y.
Davenport, David Sterling	Winnetka, Ill.
Davidson, John Woodyard	Glendale, Mo.
Delbaum, Charles Marshall	Woodmere, N. Y.
DeNero, Henry Thomas	Pleasantville, N. Y.
Denig, Robert Scott	Moline, Ill.
deRiel, Jon Kimball	St. Louis, Mo.
deVoursney, John Andrew	Palatine, Illinois
Domb, William Cutler	Morristown, N. J.
Donnelly, Michael Patrick	North Arlington, N. J.
Dorland, Peter Grant	Nashville, Tenn.
Douglass, John Joseph	Wakefield, Mass.
DuBois, Peter Arnett	Oakland, Calif.
Dunn, Thomas Freyn	Scarsdale, N. Y.
Duss, Robert Vignier	Jacksonville, Fla.
Eddy, Robert Devereux, Jr.	Winchester, Mass.
Eldridge, Thomas Haws	Palatine, Ill.
Evans, David Rountree	Los Angeles, Calif.
Fabrizio, Michael Anthony, Jr.	East Hampton, N. Y.
Faryar, Jamshid	New York, N. Y.
Fischer, Joal	Highland Park, Ill.
Fisher, Edwin Bailey, Jr.	Hillsdale, N. J.
Fletcher, William Miles, III	Brookline, Mass.
Foster, Luther Hilton, III	Tuskegee Institute, Ala.
Fox, James William	Missoula, Mont.
Frank, Kenneth David	Washington, D. C.
Franks, Brian Sterling	Toronto, Ontario, Canada.
Frantzreb, Richard Brent	Scarsdale, N. Y.
Frey, James Lewis	St. Louis, Mo.

Funnell, David Martin	<i>Joppa, Md.</i>
Galbreath, David Evans	<i>Coral Gables, Fla.</i>
Galloway, Carl Anthony	<i>Jamaica, N. Y.</i>
Garrett, Crombie James Dickinson, Jr.	<i>Annapolis, Md.</i>
Geehr, Robert Benson	<i>Syracuse, N. Y.</i>
Giese, Edward Blaney	<i>Wellesley, Mass.</i>
Glass, David Leslie	<i>Flushing, N. Y.</i>
Godfrey, Raymond Michael	<i>Melbourne, Fla.</i>
Goff, Jeffrey William	<i>Longmeadow, Mass.</i>
Goldman, Andrew Dennet	<i>Lawrence, L. I., N. Y.</i>
Goldman, James Eliot	<i>Bethesda, Md.</i>
Goldman, Roger Lawrence	<i>Great Neck, N. Y.</i>
Goleman, Daniel Jay	<i>Stockton, Calif.</i>
Goodrich, Paul Blair	<i>Swampscott, Mass.</i>
Grasso, Raymond Andrew, Jr.	<i>East Hartford, Conn.</i>
Greenlee, David Scott	<i>Tuskegee Institute, Ala.</i>
Gresko, Michael Andrew	<i>New York, N. Y.</i>
Guiney, Bartholomew John	<i>Canton, Mass.</i>
Guthrie, Michael Beck	<i>Wayne, Pa.</i>
Haldeman, Robert George, Jr.	<i>Rowayton, Conn.</i>
Hall, John Adams	<i>South Hadley, Mass.</i>
Hall, William Carl	<i>West Hartford, Conn.</i>
Handelsman, Harold Samuel	<i>Brooklyn, N. Y.</i>
Hardaway, Robert Morris, IV	<i>Washington, D. C.</i>
Harper, Wyatt Eugene, III	<i>Alexandria, Va.</i>
Harrison, Robert Dale	<i>Brooklyn, N. Y.</i>
Hart, Philip Thomas	<i>Springfield, Mass.</i>
Harvard, Peter Marvin	<i>Hamden, Conn.</i>
Hasse, Colin Farrish	<i>Berkeley, Calif.</i>
Hastie, William Henry, Jr.	<i>Philadelphia, Pa.</i>
Hathaway, Clark Prouty	<i>Barrington, R. I.</i>
Hawthorne, Richard Grant	<i>Edina, Minn.</i>
Hayden, Michael Dotterer	<i>Amherst, Mass.</i>
Heaney, William Hardy	<i>Oshkosh, Wisc.</i>
Helbraun, Mark Edwin	<i>Peekskill, N. Y.</i>
Herr, Daniel Clements	<i>Bird-in-Hand, Pa.</i>
Hilliard, Robert Samuel	<i>North Tarrytown, N. Y.</i>
Ho, Alan Reginald John	<i>Hong Kong</i>
Ho, Robert Pak Lun	<i>North Point, Hong Kong</i>
Hodge, Charles Stanley Peter	<i>Granville, Mass.</i>
Holekamp, Louis Robert, Jr.	<i>Kirkwood, Mo.</i>
Holland, William Edward	<i>Brunswick, Me.</i>
Holloway, Robert Lee	<i>Snyder, N. Y.</i>
Horwitt, Joshua Blanchard	<i>Hillsdale, N. Y.</i>
Howes, Reginald LeRoy	<i>Bermuda</i>
Howland, John Hathaway	<i>Warwick, R. I.</i>

Hung, Sammy Tung Chuen
 Hunter, Thomas Merrell
 Igel, George Daniel
 Inglis, Andrew
 Isserman, Andrew Mark
 Jacobs, Robert Allan, Jr.
 Johnson, Adrian Fitzroy
 Jones, David Nickerson
 Jones, Thomas Evan Bruere
 Kahn, Sidney Lawrence, III
 Karol, Zachary Roger
 Kaye, Stephen Lowell
 Keiser, Michael Lewis
 Keith, John Johnston, Jr.
 Kelly, William Wright, II
 Kennedy, Joseph Bernard, III
 Kling, Thomas Frederick, Jr.
 Koch, Steven Ross
 Kurth, William Deming
 Lander, Lowell Edward
 Layne, Lawrence Dennis
 LeClaire, Arthur Joseph, III
 Lehman, John E.
 Lengieza, Paul Francis
 Lewiecki, Edward Michael, Jr.
 Ligenza, Edward Peter, Jr.
 Lincoln, Lawrence Jay
 Linford, James Talcott
 Lipshutz, Gilbert Robert
 Lobdell, Peter Tillotsen
 Loftus, Thomas Anthony, III
 Looker, Thomas Gordon
 Lorenz, Paul Frank
 Loring, Stephen Hathaway
 Lundberg, Alan Reninger
 Lux, Glenn Alan
 Lynch, James Frederick
 Lynn, Leo Edward
 McClellan, Peter Hopkins
 McCormick, Stephen Smyth
 McDonald, Dan Elderkin
 McDougall, Walter Allan
 McElroy, David Alan
 McGavin, Thomas Alfred, Jr.
 McGrath, John Francis, III

Kowloon, Hong Kong
 Claremont, Calif.
 New York, N. Y.
 Shaker Heights, Ohio
 APO, N. Y.
 New York, N. Y.
 New York, N. Y.
 Brewster, Mass.
 Milwaukie, Ore.
 Memphis, Tenn.
 New York, N. Y.
 Saratoga Springs, N. Y.
 East Aurora, N. Y.
 Marion, Iowa
 Naples, Italy
 Kensington, Md.
 Orinda, Calif.
 Baltimore, Md.
 Fontana, Calif.
 Dayton, Ohio
 Louisville, Ky.
 Manchester, Conn.
 Maplewood, N. J.
 Chicopee, Mass.
 Hingham, Mass.
 Westfield, Mass.
 Wilmington, Del.
 Piedmont, Calif.
 Philadelphia, Pa.
 Red Bank, N. J.
 McLean, Va.
 New York, N. Y.
 North Syracuse, N. Y.
 Portland, Me.
 Amherst, Mass.
 Syosset, N. Y.
 Hanover, Mass.
 Folsom, Pa.
 Pepperell, Mass.
 West Hartford, Conn.
 Akron, Ohio
 Wilmette, Ill.
 Dover, N. J.
 Arlington, Va.
 Pleasantville, N. Y.

McKeag, Ian Tannehill	<i>Swarthmore, Pa.</i>
Maier, Thomas Jay	<i>Racine, Wisc.</i>
March, Charles Wells	<i>Tulsa, Okla.</i>
Marinell, James Peter	<i>Coldwater, Mich.</i>
Mayer, Eric Stephen	<i>Teaneck, N. J.</i>
Mead, Jeremiah Putnam	<i>Waban, Mass.</i>
Mersey, James Harris	<i>Lynbrook, N. Y.</i>
Metcalfe, Philip Earle	<i>Portland, Ore.</i>
Michaels, David Seth	<i>Westfield, N. J.</i>
Miller, Jeffrey Bernard	<i>Baltimore, Md.</i>
Miller, Joseph Norbert	<i>Tulsa, Okla.</i>
Miller, Matthew Alan	<i>Delmar, N. Y.</i>
Miller, Richard McCord, Jr.	<i>West Hartford, Conn.</i>
Miner, David Willman	<i>Owosso, Mich.</i>
Mirick, John Odlin	<i>Worcester, Mass.</i>
Mount, John Wadsworth	<i>Plainfield, N. J.</i>
Mullany, Brian Robert	<i>Westfield, Mass.</i>
Mulligan, Michael Dennis	<i>St. Louis, Mo.</i>
Nathanson, Tenney J.	<i>New York, N. Y.</i>
Neugass, Richard Leo	<i>Washington, D. C.</i>
Nicolaides, Cleanthis Anthony	<i>Athens, Greece</i>
Nielsen, Christen John	<i>Oradell, N. J.</i>
Normile, Francis James	<i>Setauket, N. Y.</i>
Nurick, Robert Conrad	<i>Chevy Chase, Md.</i>
Nutting, Peter West	<i>Abington, Pa.</i>
Nye, David Edwin	<i>Edinburgh, Scotland</i>
Ogden, Thomas Henry	<i>Harrison, N. Y.</i>
Osser, David Neal	<i>Harrison, N. Y.</i>
Outman, James Lee	<i>Denver, Colo.</i>
Owen, Frank Thomson Henshaw	<i>Phoenix, Ariz.</i>
Parsons, Marcus Lindley, III	<i>Arlington, Va.</i>
Pastore, John Wilson	<i>New York, N. Y.</i>
Perhonis, John Paul	<i>Amherst, Mass.</i>
Peterson, Mark Austin	<i>Ames, Iowa</i>
Petrino, Michael Anthony, Jr.	<i>Glen Rock, N. J.</i>
Pickens, Claude Vann	<i>Chicago, Ill.</i>
Pietrafitta, Anthony James, Jr.	<i>Wakefield, Mass.</i>
Pitman, Douglas Jay	<i>Port Washington, N. Y.</i>
Plume, Stephen Richard	<i>Evergreen, Colo.</i>
Posner, Edward Martin	<i>Philadelphia, Pa.</i>
Potter, John Philip	<i>Old Greenwich, Conn.</i>
Powar, William Louis	<i>University Heights, Ohio</i>
Prude, Jonathan deMille	<i>New York, N. Y.</i>
Radley, Gordon Louis	<i>Chicago, Ill.</i>
Ransom, Lawrence Bristol	<i>Bronxville, N. Y.</i>
Reed, Mark Verne	<i>Shaker Heights, Ohio</i>

Reed, Philip Clark	<i>Cheshire, Conn.</i>
Repplier, Banning, Jr.	<i>New Haven, Conn.</i>
Rhoades, William Divers	<i>Bloomington, Ind.</i>
Rhodes, John Frederick, Jr.	<i>Lehighton, Pa.</i>
Rhone, Henry Gene	<i>Richmond, Va.</i>
Rice, Thomas Bothwell	<i>Pelham, Mass.</i>
Riess, Jonathan Benjamin	<i>Brooklyn, N. Y.</i>
Riskind, Robert David	<i>Chicago, Ill.</i>
Robinson, William Clarence, III	<i>Washington, D. C.</i>
Rock, Andrew Vincent	<i>Silver Spring, Md.</i>
Roehrig, Matthew Grahame	<i>Andover, Mass.</i>
Rose, William Jay, II	<i>Swampscott, Mass.</i>
Rosenfeld, Mark Kenneth	<i>Jackson, Mich.</i>
Roush, George Colton	<i>Peninsula, Ohio</i>
Ryan, Thomas Wadsworth	<i>Syracuse, N. Y.</i>
Rytuba, James John	<i>Hadley, Mass.</i>
Saks, Nelson Simon	<i>Springfield, Mass.</i>
Salem, Richard Peter	<i>North Brookfield, Mass.</i>
Savage, Edward Turney	<i>Westfield, N. J.</i>
Savage, Theodore James	<i>North Branch, N. J.</i>
Schell, Joseph Marshall	<i>Purchase, N. Y.</i>
Schlessinger, Peter Martin	<i>Woodbury, L. I., N. Y.</i>
Schmidt, Joel Otis	<i>Pound Ridge, N. Y.</i>
Scribner, Donald John	<i>Mountain Lakes, N. J.</i>
Sharp, Michael Conant	<i>East Lansing, Mich.</i>
Shechtman, Ronald Howard	<i>West Hartford, Conn.</i>
Sherman, Robert Spink	<i>Providence, R. I.</i>
Simonson, Walter Miller	<i>College Park, Md.</i>
Sleeth, George Kendall	<i>Chatham, N. J.</i>
Smead, William Lewis	<i>Nashville, Tenn.</i>
Smith, Michael Vernon	<i>Latham, N. Y.</i>
Smith, Richard Thomas	<i>St. Louis, Mo.</i>
Smith, Robert Edwin	<i>Linden, N. J.</i>
Smith, Roderick Charles	<i>Missoula, Mont.</i>
Smyth, Kermit Campbell	<i>Westwood, Mass.</i>
Solins, Jonathan David	<i>Tenafly, N. J.</i>
Solomon, Lewis Roberts	<i>Fair Lawn, N. J.</i>
Spina, Francis Xavier	<i>Pittsfield, Mass.</i>
Springer, David Richard	<i>Baltimore, Md.</i>
Springer, Felix Joseph	<i>Hartford, Conn.</i>
Stewart, David Ewing, Jr.	<i>Columbia, S. C.</i>
Stifler, John Reed	<i>Nashville, Tenn.</i>
Stoeckle, David Bruce	<i>Darien, Conn.</i>
Stolper, Donald Newton	<i>Hartford, Conn.</i>
Stratton, Robert Walter	<i>Malverne, N. Y.</i>
Strong, Robert Sinclair	<i>West Islip, N. Y.</i>

Studley, Michael Hunt
 Sullivan, Richard Joseph
 Sumida, Stephen Hiro
 Sunstein, Paul William
 Taggart, Robert Alexander, Jr.
 Takemori, Michael Teruki
 Tapia, Jorge Luis, Jr.
 Taylor, Alfred Brandon, III
 Taylor, James Deming
 Taylor, Thomas Howard
 Teague, John Frederick
 Temchin, Jacob Lazarus
 Tibbetts, Clark Joseph Bullock
 Tilles, Roger Bruce
 Townsend, David Bruce
 Townsend, Robert William
 Tracy, William Wellman
 Velissaropoulos, Andreas Dimitri
 Wachtell, Kenneth M.
 Wade, Harold
 Walker, Allen Rolf
 Wallace, James Davis
 Warner, Daniel Harry
 Warrington, Robert Spencer
 Wasserstein, Alan George
 Weaver, David Walter
 Wedel, Douglas Kent
 Wehner, Burkhard Elimar
 Weinstein, David Max
 Weiss, Robert Lowell, Jr.
 Widness, John Andrew
 Wilde, Harold Richard
 Willcox, Alanson Walter
 Willis, Charles Timothy
 Wolman, James David
 Wolovsky, Allen Harris
 Woodworth, Robert Ames
 Wright, Willie James
 Young, Malcolm Caldwell
 Young, Richard Hallam
 Zipke, Allen Paul

Hingham, Mass.
 Stony Point, N. Y.
 Aiea, Hawaii
 Wyncote, Pa.
 Birmingham, Mich.
 Honolulu, Hawaii
 Bronx, N. Y.
 Moore, S. C.
 Rockville, Conn.
 Plantsville, Conn.
 Newport, N. H.
 Florida, N. Y.
 McLean, Va.
 Great Neck, N. Y.
 Nutley, N. J.
 Fitchburg, Mass.
 Alexandria, Va.
 Athens, Greece
 Mamaroneck, N. Y.
 Jamaica, N. Y.
 New Haven, Conn.
 Phoenix, Ariz.
 New York, N. Y.
 Bronxville, N. Y.
 West Hempstead, N. Y.
 Larchmont, N. Y.
 Jackson, Miss.
 Waldersee, West Germany
 Seattle, Wash.
 Wooster, Ohio
 Lynnfield, Mass.
 Wauwatosa, Wisc.
 Washington, D. C.
 Framingham, Mass.
 Philadelphia, Pa.
 Scarsdale, N. Y.
 Farmington, Conn.
 St. Petersburg, Fla.
 Portland, Ore.
 Glens Falls, N. Y.
 Plantsville, Conn.

FRESHMEN — *Class of 1969*

Abramson, Jeffrey Bruce
 Aftergut, Dennis
 Ahearn, Michael Alan

Cheltenham, Pa.
 Ladue, Mo.
 Milton, Mass.

Alexander, James Kermott, Jr.
 Allen, Franklin Gordon, III
 Alstad, Donald Norman
 Altschul, David Edwin
 Andersen, Dennis Richard
 Aronson, Richard Allan
 Baron, Frederick David
 Barrett, William Felton, III
 Bartlett, Joel Emerson
 Bzenas, Waldemar
 Bean, John Michael
 Beebe, Marcus Gilbert, Jr.
 Begg, Robert Burns, Jr.
 Berglund, Robert Edward
 Berlin, Richard Lawrence
 Blum, Alan Mayer
 Boicourt, James Evan
 Bollinger, Evan Adair, Jr.
 Bonnar, William Deacon
 Boswell, Thomas Murray
 Bosworth, Robert Everett
 Boyle, Brian Edward
 Bramble, Guy Alwyn
 Brightman, Alan Jay
 Brown, Robert Horatio, Jr.
 Brumage, James Alan
 Carroll, Richard Edwin
 Casey, Coleman Hampton
 Cashmore, Terry Frank
 Castle, Charles Anthony
 Clapp, David Arden
 Clark, Thomas Welcome
 Clarke, Edward Morton, Jr.
 Cocroft, James Ralph
 Cohn, George, III
 Cohn, Steven Mark
 Colburn, Donald Adams
 Cole, Francis Sessions, III
 Collins, Stephen Weaver
 Congdon, James Herbert
 Conn, Howard
 Conover, Kirk Howard
 Corcoran, David
 Corey, Edward Lee, Jr.
 Cox, Henry Douglas
 Daloz, Charles Roland

Houston, Texas
Baltimore, Md.
Wayland, Mass.
Yonkers, N. Y.
Spring Valley, Calif.
New York, N. Y.
Olivette, Mo.
Great Barrington, Mass.
Berkeley, Calif.
Naugatuck, Conn.
Minneapolis, Minn.
Boston, Mass.
Fort Devens, Mass.
Amherst, Mass.
Newark, N. J.
Cedarhurst, N. Y.
Amherst, Mass.
Rochester, N. Y.
Middleboro, Mass.
Washington, D. C.
Bolton, Conn.
Ft. Eustis, Va.
Southfield, Mich.
Hull, Mass.
Chevy Chase, Md.
Evergreen Park, Ill.
Merrick, New York
West Redding, Conn.
Penfield, N. Y.
Newport, R. I.
Syracuse, N. Y.
Brookline, Mass.
Newton Upper Falls, Mass.
Glenview, Ill.
Louisville, Ky.
Roslyn Heights, N. Y.
Wellesley Hills, Mass.
Providence, R. I.
Hastings-on-Hudson, N. Y.
Cranston, R. I.
Hampton, Va.
Quaker Hill, Conn.
Upper Nyack, N. Y.
New York, N. Y.
Terre Haute, Ind.
Peterborough, N. H.

- Davidowicz, Robert Stanley
 Davison, Ellis Haven
 Dean, Stewart
 DeLaurentis, Michael
 Diamond, Stephen Martin
 Dick, James Vernon
 Dickinson, Mark Craine
 Dilg, Lawrence Edwin, Jr.
 Dodge, Lloyd Pillsbury, Jr.
 Dunkerley, Craig Gordon
 Dwyer, Robert Jeffrey
 Edelman, Richard Scott
 Edie, David Boyd
 Elmendorf, Calvin Lindsay
 English, James Russell, III
 Esposito, Paul Joseph
 Eustis, Andrew Claypoole
 Evans, Peter Marlin
 Fein, Robert Allen
 Field, Richard Lawrence
 Finn, Paul David
 Fisher, Jeffrey Dorrington
 Flaccus, Peter Kimball
 Fleming, Standish Mitchell
 Forester, Gary Paul
 Fort, David Bayard
 Foster, William James, IV
 Fowler, Theodore Vietor, IV
 Foye, William Lawrence, Jr.
 Francis, Richard McMaster
 Friedman, Dennis Gordon
 Gaddis, Eugene Richard
 Garland, Russell Mackie
 Garrett, Michael Dennis
 Garton, Joseph Walter
 Gibbons, James Curtis
 Giddings, David Gibson
 Giddings, James Potter
 Gies, Roger Wallace
 Glassman, William Edward
 Golann, Dwight Emmanuel Goldberg
 Goldstein, Daniel Frank
 Gordon, Claudius Alexander
 Gordon, Eric Rodney
 Gould, Blake Richard
 Green, Mathewson Bushnell
- Gardner, Mass.
 Las Vegas, Nevada
 Louisville, Ky.
 Havertown, Pa.
 New York, N. Y.
 Wellesley Hills, Mass.
 Lunenburg, Mass.
 Hewlett, N. Y.
 Blue Point, N. Y.
 Edina, Minn.
 Elizabeth, N. J.
 Great Neck, N. Y.
 Minneapolis, Minn.
 Sarasota, Fla.
 Shamokin, Pa.
 Wellesley Hills, Mass.
 Cincinnati, Ohio
 Santa Barbara, Calif.
 Mount Vernon, N. Y.
 West Webster, N. Y.
 Malden, Mass.
 Creve Coeur, Mo.
 Missoula, Mont.
 South Laguna, Calif.
 Oradell, N. J.
 Plainfield, N. J.
 Pleasantville, N. Y.
 Toledo, Ohio
 New London, Conn.
 Charleston, West Va.
 Shaker Heights, Ohio
 Newark, Del.
 Hingham, Mass.
 Stockton Springs, Me.
 Sheboygan, Wisc.
 New York, N. Y.
 Bennington, Vt.
 Bennington, Vt.
 Bedminster, N. J.
 Pawtucket, R. I.
 Keene, N. H.
 Austin, Texas
 Richmond, Va.
 Winston-Salem, N. C.
 Morrisville, Vt.
 Missoula, Mont.*

Greenberg, Michael Alan
 Greenstone, Wayne David
 Greenthal, John Lewis
 Gregory, Richard Harrington, III
 Griffiths, James Riley
 Grimes, Justin Paul
 Grinnell, Daniel Voorhis
 Gross, Marvin Marc
 Haggerty, Raymond Carpenter, III
 Hardy, Timothy Steiner
 Harrington, Sherwood
 Hart, William Earl
 Hatton, Edward Henry, Jr.
 Hawkins, David Rollo, Jr.
 Hedin, Todd Christopher
 Heinlein, David Arthur
 Henderson, Stuart Clyde
 Henning, Peter Hemphill
 Herzog, Michael Robert
 Hessney, Richard Charles
 Hibbard, Thomas Dawes
 Hight, Frank Hanford
 Hills, David James
 Hoffmann, Thomas Burton
 Hogan, Bruce Wagner
 Hogg, Ronald Walter
 Holmes, Edwin Theodore
 Howe, Frank Alexander
 Howe, Jeffrey Gordon
 Howell, David Charest
 Howland, Paul
 Hoxie, Frederick Eugene
 Huising, Jurgen
 Iben, Thomas Reinhard
 Ingle, Grant Meriwether
 Ives, Donald Frank
 Jackson, Jeffrey Mack
 Jacobs, Douglas Lee
 Jacobson, Richard Craig
 Jankowski, Thaddeus Alphonse
 Joas, Edward Andrew
 Johnson, Christopher Dwight
 Johnson, Stanley Mark
 Johnson, William L.
 Jones, Coyle Barton
 Jones, Kent Leonard

Silver Spring, Md.
Livingston, N. J.
New York, N. Y.
Bronxville, N. Y.
Park Ridge, Ill.
Waltham, Mass.
New York, N. Y.
Evanston, Ill.
Bethlehem, Pa.
Olympia Fields, Ill.
Norwich, N. Y.
Pittsford, N. Y.
Northbrook, Ill.
Chapel Hill, N. C.
St. Anselmo, Calif.
New Market, N. J.
Chatham, N. J.
Aurora, Ill.
Pittsford, N. Y.
Rochester, N. Y.
Hartland, Wisc.
Short Hills, N. J.
Hollis, N. H.
Paramus, N. J.
Bad Axe, Mich.
Philadelphia, Pa.
Fitchburg, Mass.
Cincinnati, Ohio
Moscow, Idaho
Worcester, Mass.
Shaker Heights, Ohio
Honolulu, Hawaii
Fishers Island, N. Y.
Peoria, Ill.
Hampden, Mass.
Amherst, Mass.
Beachwood, Ohio
Lanesboro, Mass.
Flushing, L. I., N. Y.
Chicago, Ill.
Hampton, N. J.
Darien, Conn.
Worthington, Ohio
Teaneck, N. J.
Amherst, Mass.
Yonkers, N. Y.

Jones, Robert Penfield, Jr.	<i>Albany, N. Y.</i>
Jones, Thomas Wetteland	<i>Chicago, Ill.</i>
Kaczynski, Ronald Charles	<i>Andover, Mass.</i>
Kahn, Edward Stanton	<i>Trenton, N. J.</i>
Kaltsas, Harvey Nicholas James	<i>Worcester, Mass.</i>
Karasick, Ira Barry	<i>Roslyn Heights, N. Y.</i>
Kass, Jared Daniel	<i>New Rochelle, N. Y.</i>
Keating, William Barry	<i>Northampton, Mass.</i>
Keller, Daniel Whittemore	<i>Laconia, N. H.</i>
Kelley, Thomas Buchan	<i>Winnetka, Ill.</i>
Kelly, Thomas Edward	<i>Reading, Mass.</i>
Kicza, John Edward	<i>Florence, Mass.</i>
Kim, Suk Won	<i>Seoul, Korea</i>
Klugman, Robert David	<i>Havertown, Pa.</i>
Knapp, Richard David	<i>Philadelphia, Pa.</i>
Knopf, Paul Vanderbilt	<i>New York, N. Y.</i>
Kovacs, Alan Lawrence	<i>Poughkeepsie, N. Y.</i>
Kraemer, Michael Frederick	<i>Springfield, N. J.</i>
Landis, Eric	<i>Highland Park, N. J.</i>
Laurence, David Ernst	<i>Swampscott, Mass.</i>
Lawrence, Philip Joshua	<i>Port Washington, N. Y.</i>
Lee, James Howard	<i>Fairfield, Conn.</i>
Lehto, Richard Henry	<i>Fitchburg, Mass.</i>
Leinbach, John DeLong, Jr.	<i>Byram, Conn.</i>
Leininger, Christopher Yves Jerrell	<i>Amherst, Mass.</i>
Levin, Jack Gary	<i>University City, Mo.</i>
Levy, Ronald Stuart	<i>Uniontown, Pa.</i>
Lewis, D. Robert, Jr.	<i>Rochester, N. Y.</i>
Lewis, Karle Duncan	<i>Worcester, Mass.</i>
Liias, Jorgen Wilhelm	<i>Charlestown, Mass.</i>
Lind, Jonathan Gus	<i>East Norwich, N. Y.</i>
Lindberg, David Keith	<i>West Boylston, Mass.</i>
Lipscomb, John DeWald	<i>Deerhurst, Wilmington, Del.</i>
Lotto, Edward Ernest	<i>Uniondale, L. I., N. Y.</i>
Luce, Charles Beardsley	<i>San Mateo, Calif.</i>
Lundholm, Thomas John	<i>Minneapolis, Minn.</i>
Lyons, Edmund Daniel, Jr.	<i>Wilmington, Del.</i>
McCaffrey, Timothy Barry	<i>Swarthmore, Pa.</i>
McCombs, Richard Nelson	<i>Tallmadge, Ohio</i>
McCormick, Richard Levis	<i>New Brunswick, N. J.</i>
McDowell, John Anders	<i>West Chester, Pa.</i>
McGowan, William Edward	<i>Quaker Hill, Conn.</i>
McNeary, Stephen Adams	<i>Merion Station, Pa.</i>
Machemer, Paul Aubrey	<i>Oakland, Me.</i>
Magee, Douglas Cady	<i>Rome, N. Y.</i>
Maier, James Hollingsworth	<i>Bryn Mawr, Pa.</i>

Mann, William Joseph, Jr.
 Manzolati, John Clayton
 Marblestone, Robert Andrew
 Marks, John Callison
 Mason, Saunders
 Meadow, William Lee
 Mehdevi, Alexander Sinclair
 Meyer, James, Jr.
 Michelmores, David Larkin
 Miller, Robert Sargent
 Moates, Guy Paul
 Mohlman, Joseph Gray, Jr.
 Moore, David Thornton
 Morgan, Charles Brooke
 Morgan, Paul Francis
 Morse, Thomas Webb
 Murray, Alexander Gordon
 Murray, Jeremiah Joseph
 Nagorski, Andrew Zygmunt
 Neel, Stephen Edward
 Nimmons, Madison Henry, III
 Nostrand, Peter Ford
 O'Grady, Gene Michael
 O'Malley Terrence Adams
 Ong, Nai-Theow
 Paige, Steven Harlan
 Paniegua, Mario Luis
 Parkinson, James Raymond
 Patton, Ward Harris, III
 Peltzer, Wesley Watson
 Peterson, Kent Davis
 Pfeiffer, William Sanborn
 Phillips, John Work Garrett
 Phreaner, David Gray
 Pistel, John Alan
 Popejoy, John Alan
 Posner, Joshua Lowe
 Post, Edward Tanner, Jr.
 Potter, Robert Anderson, Jr.
 Preston, Richard Stephen
 Quinn, Joseph Francis, Jr.
 Rea, David Sherman
 Reay, David Simmons
 Revington, George Daley, IV
 Roberts, David Hall
 Rodgers, Terry Philip

West Hartford, Conn.
Rochester, N. Y.
Manhasset, N. Y.
Spokane, Wash.
Lake Forest, Ill.
Roslyn Heights, N. Y.
Abadan, Iran
Harrison, N. Y.
Foxboro, Mass.
Bradford, Mass.
Lexington, Mass.
Fairfield, Conn.
White Plains, N. Y.
Pottstown, Pa.
Eleele, Kauai, Hawaii
Concord, N. H.
Winnetka, Ill.
Long Island City, N. Y.
Vaucresson, France
Louisville, Ky.
East Cleveland, Ohio
Manchester, Conn.
Palo Alto, Calif.
Holyoke, Mass.
Penang, Malaysia
Amherst, Mass.
Santurce, Puerto Rico
Amherst, Mass.
Sarasota, Fla.
Salt Lake City, Utah
Evanston, Ill.
Hudson, Ohio
North Haven, Conn.
Plandome, N. Y.
Middletown, Conn.
Glen Mills, Pa.
New Rochelle, N. Y.
Chappaqua, N. Y.
Summit, N. J.
Short Hills, N. J.
Baltimore, Md.
Ann Arbor, Mich.
Garden City, N. Y.
West Lafayette, Ind.
Washington, D. C.
Potomac, Md.

Rubé, Allan Joseph	Melbourne, Fla.
Santonelli, Steven	Wakefield, Mass.
Sargent, Peter Bradlee	South Byfield, Mass.
Sauer, Robert Thomas	Cornwall-on-Hudson, N. Y.
Saunders, William George, Jr.	New Britain, Conn.
Savidge, George Mark	Lambertville, N. J.
Schaeffer, Michael Meabon	Philadelphia, Pa.
Sellin, Joseph Henry	Syracuse, N. Y.
Sendzik, Jay Conway	Brick Town, N. J.
Shaffer, Gregory John	Nutley, N. J.
Shahnawaz, Muneer	Karachi, Pakistan
Sherman, David George	Fort Lee, N. J.
Sieck, John Carleton	Scarsdale, N. Y.
Siffert, John Sand	New York, N. Y.
Siguler, George William	Cleveland, Ohio
Silverman, Jay Ross	Rockville Centre, N. Y.
Silvestri, Peter Beradino	Hartford, Conn.
Simpkins, Cuthbert Ormond, II	Hollis, N. Y.
Simpson, Robert Emmett, Jr.	Long Meadow, Mass.
Smith, James Harold	Amherst, Mass.
Snedecor, Peter James	Shaker Heights, Ohio
Snyder, Colby Hopewell	Lancaster, Pa.
Spear, Brian Blackburn	Bloomfield, N. J.
Spratford, Michel Lawrence	Somerville, N. J.
Sproul, Robert Bowden	Wakefield, Mass.
Stahr, John Thompson	Staten Island, N. Y.
Stauffer, Kent I.	Trotwood, Ohio
Steinhart, Jonathan Ralph	Roselle, N. J.
Steinman, James Richard	Hewlett Harbor, N. Y.
Steketee, Richard Walton, Jr.	East Grand Rapids, Mich.
Sternlieb, Jeffrey Laurence	Kingston, Pa.
Strickland, Walter Robert, Jr.	Meadowbrook, Pa.
Sullivan, Daniel Joseph, Jr.	Waterbury, Conn.
Susi, Peter	Pittsfield, Me.
Swanson, Robert Ernest	Feeding Hills, Mass.
Tate, Ralph Stewart	Davenport, Iowa
Tatem, Peter Alan	Red Bank, N. J.
Tatum, Charles Maris, Jr.	Radnor, Pa.
Taylor, Geoffrey Preston	Middleton, Wisc.
Teller, Raymond Joseph	Philadelphia, Pa.
Thalmann, William Gregory, III	Long Valley, N. J.
Thewlis, Patrick Edward	Marblehead, Mass.
Thomas, Frank Michael, Jr.	Pittsburgh, Pa.
Thompson, Loran Tyson	New York, N. Y.
Thompson, William Albert	Lynnfield, Mass.
Thompson, William Wilson, II	Martinsburg, West Va.

Tobis, Jonathan Marvin	<i>Manhasset, N. Y.</i>
Uman, Howard Michael	<i>Springfield, Mass.</i>
Urrizola, Manuel Michael, Jr.	<i>Stockton, Calif.</i>
Vajda, Jorge Americo Ladislau	<i>Sao Paulo, Brazil</i>
van Oss, Adriaan Cornelis	<i>Royal Oak, Mich.</i>
Viscardi, Frederick John, Jr.	<i>Great Barrington, Mass.</i>
Wallace, Bruce Gordon	<i>Westfield, N. J.</i>
Ward, Stephen ^F Goldthwait	<i>Alexandria, Va.</i>
Warner, Thomas Seth	<i>Syosset, N. Y.</i>
Warr, Jesse James, III	<i>Hyattsville, Md.</i>
Waters, Emory Wallace	<i>Petersburg, Va.</i>
Weaver, Peter Charles	<i>Pittsburgh, Pa.</i>
Webb, Morrison DeSoto	<i>South Salem, N. Y.</i>
Weissman, Jon Ruston	<i>Alexandria, Va.</i>
Wells, Durbin Harper, Jr.	<i>Sturbridge, Mass.</i>
Weyl, Stephen Edward	<i>Philadelphia, Pa.</i>
Whiteside, David Sandin	<i>Brunswick, Me.</i>
Wickenden, Michael James	<i>Short Hills, N. J.</i>
Wilcox, Jamison Van Voorhees	<i>North Branch, N. J.</i>
Wilken, Alan Warren	<i>Fairbanks, Alaska</i>
Williams, Mason Miller	<i>Richmond, Va.</i>
Willoughby, Richard Rawlings	<i>Warren, Ohio</i>
Wilson, Scott Ormsbee	<i>Eugene, Oregon</i>
Winther, Eric Anton	<i>Bloomington, Ind.</i>
Wojtowicz, Richard Allen	<i>Amherst, Mass.</i>
Wolf, Edwin Mershon	<i>Cambridge, Mass.</i>

SPECIAL STUDENTS NOT ENROLLED AS CANDIDATES FOR A DEGREE

Brunet, Marc Michel	<i>Longmeadow, Mass.</i>
Grasso, Rafael Sergio	<i>Montevideo, Uruguay</i>
Pingoud, Alfred Marius	<i>Trifistrasse, Germany</i>
Roche, Jean	<i>Ardeche, France</i>
Virmont, Jacques L.	<i>Saint-Etienne, France</i>

SUMMARY OF ENROLLMENT

Graduate Students	6
Seniors—Class of 1966	282
Juniors—Class of 1967	303
Sophomores—Class of 1968	311
Freshmen—Class of 1969	305
Students not enrolled for a Degree	5

CLASSIFICATION OF UNDERGRADUATES BY RESIDENCE

New York	263	Kansas	2
Massachusetts	176	Mississippi	2
New Jersey	109	Oklahoma	2
Connecticut	84	Washington	2
Pennsylvania	83	West Virginia	2
Illinois	44	Alaska	1
Ohio	42	Arkansas	1
Maryland	32	Idaho	1
Michigan	32	Nebraska	1
California	26	Nevada	1
Virginia	25	New Mexico	1
Missouri	24	Utah	1
Minnesota	18	Canada	5
District of Columbia	17	England	4
Maine	15	HongKong	4
New Hampshire	15	Japan	4
Florida	13	Greece	3
Rhode Island	13	Indonesia	2
Tennessee	10	Italy	2
Colorado	9	Korea	2
Delaware	9	Malaysia	2
Arizona	8	Mexico	2
Oregon	8	Pakistan	2
Indiana	7	South Africa	1
Kentucky	7	Bermuda	1
Texas	7	Brazil	1
Wisconsin	7	Burma	1
Iowa	6	France	1
Vermont	6	Iran	1
Montana	5	Puerto Rico	1
North Carolina	5	Scotland	1
Georgia	4	Senegal	1
Hawaii	4	West Germany	1
South Carolina	4		
Louisiana	3		
Alabama	2	TOTAL	1201

V

The Alumni Associations

The Society of the Alumni

(Annual Meeting in Commencement Week)

<i>Honorary President:</i>	RICHARD B. SCANDRETT '11
<i>President:</i>	LEONARD P. MOORE '19
<i>Vice Presidents:</i>	JAMES F. CUSICK '21 LINCOLN S. FERRIS '26 ROBERT B. PITCHER '31 CHARLES K. ARTER, JR. '36 JOHN B. BEAN '41
<i>Secretary-Treasurer</i>	J. ALFRED GUEST '33
<i>Nominating Committee:</i>	PHILIP C. RAYE '26, Chairman MARCUS G. BEEBE '36 H. BROOKS BECK, JR. '41 MARCUS MUNSILL '51 DUNCAN A. MACQUEEN, JR. '56
<i>Inspectors of Election:</i>	WILLIAM H. ROSS '29, Chairman JOHN H. HILLS '31 H. HILLS SKILLINGS '38
<i>Committee to Nominate Alumni Trustees:</i>	LOUIS H. HALL, JR. '31, Chairman GEORGE T. BRISTOL, JR. '36 ROBERT G. PLUNKETT '41 MONROE M. DIEFENDORF '46 WALTER J. HUNZIKER, JR. '51

The Alumni Council of Amherst College

Chairman: LEONARD P. MOORE '19

Secretary: J. ALFRED GUEST '33

Executive Committee:

	MINER D. CRARY, JR. '42 <i>Chairman</i>
LEONARD P. MOORE '19	GEORGE L. SHINN '45
STEPHEN W. GRANT '30	RICHARD F. DELIMA '51
LEONARD K. GUILER '35	JAMES B. LYON '52

Representatives of Classes

1892	ALLAN P. BALL	1932	EDWARD A. BUCK
1894	CORNELIUS S. HURLBUT	1933	GRANT H. NICKERSON
1900	OSMOND J. BILLINGS	1934	JOHN W. WHITE
1901	JOSEPH WARNER	1935	ARTHUR R. ENGLISH
1902	LOUIS R. HERRICK	1936	GEORGE B. BURNETT, JR.
1903	ALBERT W. ATWOOD	1937	RICHARD S. ZEISLER
1904	ERNEST M. WHITCOMB	1938	BENNET MEYERS
1905	CHARLES C. MCTERNAN	1939	CHANNING B. RICHARDSON
1906	GEORGE W. PORTER	1940	LOUIS F. EATON, JR.
1907	CHESTER H. ANDREWS	1941	ROBERT G. INGRAHAM
1908	HUGH W. HUBBARD	1942	JOHN T. HEALD
1909	H. LADD SMITH	1943	ANDREW FISHER
1910	JOHN PORTER	1944	MEREDITH N. STILES
1911	ALAN M. FAIRBANK	1945	SAMUEL TRULL
1912	C. FRANCIS BEATTY	1946	ROBERT W. SUCSY
1913	SAMUEL H. COBB	1947	EDWIN C. VAN VALEY
1914	MAURICE F. CHILDS	1948	BRUCE K. SKIPTON
1915	WILLIAM WHITING	1949	SAMUEL B. TINGLEY
1916	DEAN BLANCHARD	1950	FRANK G. STISSER, JR.
1917	DONALD E. TEMPLE	1951	GARY HOLMAN
1918	AUGUSTUS W. BENNET	1952	WINSTON R. HINDLE, JR.
1919	HERMAN M. WESSEL	1953	PETER SCHRAG
1920	PERRY B. JENKINS	1954	JON F. OSTER
1921	EDWARD W. HOOKER	1955	ALLING BROWN
1922	EDWARD S. O'DONNELL	1956	PETER G. HINDLE
1923	WINTHROP TILLEY	1957	KENNETH N. KERNES
1924	RICHARD S. KYLE	1958	JOHN E. G. BISCHOF
1925	MERTON L. GRISWOLD	1959	PETER ESTY
1926	PHILIP C. RAYE	1960	GORDON HOMES, JR.
1927	PHILIP R. CHASE	1961	JOHN J. LOCKE
1928	STEPHEN BROWN	1962	RALPH ARDIFF
1929	JEFFREY FELT	1963	JAMES W. CLAUSON, JR.
1930	RICHARD W. LOUD	1964	PETER D. KLEINMAN
1931	HERBERT J. LYALL	1965	JOHN R. WILLIAMS

REPRESENTATIVES OF ALUMNI ASSOCIATIONS

Baltimore	STEPHEN T. ELLEN '37
Boston	MARCUS G. BEEBE '36
Cape Cod	SAMUEL H. COBB '13
Central Massachusetts	J. JOSEPH KELLY, JR. '41
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1965-1966

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VI

Appendix

Appendix

Scholarship Funds

The following is a list of the Scholarship Funds of the College, as of June 30, 1965, the income of which is available for Scholarships and other forms of Student Aid.

Frederick S. Allis Scholarship Fund	\$ 4,065.00
Anderson Scholarship	1,870.00
Frank L. Babbott Scholarship	10,000.00
Lydia Richardson Babbott Endowment Fund	50,000.00
Danforth Keyes Bangs Scholarship Fund	4,000.00
Edmund P. Barker and Susan Marvin Barker Scholarship Fund	8,107.06
Seymour Israel Barowsky Scholarship Fund	5,000.00
Ivory H. Bartlett Scholarship Fund	5,000.00
Beecher Scholarship Fund	101,151.17
Albion F. Bemis Scholarship Fund	2,000.00
Borden Scholarship	1,870.00
Dolly Coleman Blake Scholarship Fund	1,000.00
Chandler Matthews Bray Scholarship Fund	19,932.08
William Louis Bray Class of 1858 Scholarship Fund	100.00
Alexander H. Bullock Scholarship Fund	1,500.00
E. J. Burnell Memorial Fund	64,495.47
George M. Butler Class of 1897 Scholarship Fund	1,000.00
Butts Scholarship Fund	11,386.50
John A. Callahan Scholarship Fund	7,770.00
A. C. Canadian Foundation Scholarship Fund	3,708.83
Joseph Carew Scholarship Fund	1,046.40
George B. Carter '06 Scholarship Fund	2,000.00
Centennial Gift	123,400.00
The Charitable Fund	139,584.55
Mrs. James Leon Chamberlain	1,000.00
Edwin Clapp Scholarship	4,625.00
Estate of Ellen C. Clapp	1,000.00
Jefferson Clark Scholarship Fund	10,000.00
The Lewis F. Clark Scholarship Fund	10,000.00
Class of 1826 Scholarship Fund	500.00
Class of 1831 Scholarship Fund	1,255.00
Class of 1836 Scholarship Fund	1,250.00
Class of 1839 Scholarship Fund	1,200.00
Class of 1844 Scholarship Fund	500.00
Class of 1845 Scholarship Fund	1,000.00
Class of 1846 Scholarship Fund	1,000.00
Class of 1849 Scholarship Fund	1,000.00
Class of 1850 Scholarship Fund	1,230.00

Class of 1852 Scholarship Fund.....	\$ 1,000.00
Class of 1853 Scholarship Fund.....	1,500.00
Class of 1855 Scholarship Fund.....	1,121.83
Class of 1856 Scholarship Fund.....	1,000.00
Class of 1857 Scholarship Fund.....	1,500.00
Class of 1858 Scholarship Fund.....	1,250.09
Class of 1859 Scholarship Fund.....	2,650.00
Class of 1860 Scholarship Fund.....	3,000.00
Class of 1861 Scholarship Fund.....	3,000.00
Class of 1865 Scholarship Fund.....	1,008.31
Class of 1869 Scholarship Fund.....	2,670.76
Class of 1871 Scholarship Fund.....	2,186.11
Class of 1873 Scholarship Fund.....	5,000.00
Class of 1877 Scholarship Fund.....	2,500.00
Class of 1880 Scholarship Fund.....	3,038.96
Class of 1897 Scholarship.....	4,450.00
Composite Scholarship Fund—Classes of 1829, '35, '38, '66, '67, '70.....	1,262.28
Class of 1913 Memorial Fund.....	44,847.51
Class of 1927 25 Year Memorial Fund.....	11,526.00
Class of 1928 25-Year Memorial Fund.....	14,107.00
Class of 1929 25-Year Memorial Fund.....	11,411.00
Class of 1930 25-Year Memorial Fund.....	21,133.00
Class of 1931 25-Year Memorial Fund.....	16,261.00
Class of 1932 25-Year Memorial Fund.....	25,317.36
Class of 1933 25-Year Memorial Fund.....	26,773.17
Class of 1934 25-Year Memorial Fund.....	19,827.31
Class of 1935 25-Year Memorial Fund.....	28,983.92
Class of 1937 25-Year Memorial Fund.....	45,467.71
Class of 1938 25-Year Memorial Fund.....	40,101.73
Class of 1939 25-Year Memorial Fund.....	92,008.37
Class of 1940 25-Year Memorial Fund.....	25,460.26
Class of 1941 25-Year Memorial Fund.....	15,650.86
Class of 1942 25-year Memorial Fund.....	49.00
E. C. Converse Scholarship Fund.....	50,000.00
Consolidated Scholarship Fund.....	4,275.50
George Cook Scholarship Fund.....	1,050.00
William Lyman Cowles Class of 1878 Scholarship Fund..	3,000.00
Miner D. Crary Scholarship Fund.....	12,113.00
Crosby Memorial Scholarship Fund.....	27,000.00
Solomon Frederick Cushman '14 Loan Fund.....	1,000.00
William Cutler and Harriette Gilbert Cutler Memorial Scholarship.....	15,520.00
Allen Davidson Memorial Fund.....	671.54
Day Benevolent Fund.....	5,000.00
John E. Day Scholarship Fund.....	4,000.00

Enos Dickinson Scholarship Fund	\$ 1,258.33
Sidney and Hannah Dillon Fund	5,000.00
The Dodge Fund	4,841.38
W. F. Draper Scholarship Fund	2,550.00
Charles R. Drew Memorial Scholarship	10,166.00
Estate of George H. Duncan '99	2,000.00
Lucius R. Eastman Fund	10,000.00
Alfred C. Edwards	5,180.00
James M. Ellis Fund	5,056.11
Robert Houghton Esty Scholarship Fund	10,086.48
Addison Alvord Ewing Scholarship Fund	9,000.00
Isaac D. Farnsworth Scholarship Fund	3,000.00
The Thomas P. Field Scholarship Fund	10,000.00
Fiske and Warren Scholarships	2,787.44
Frederic Forman Memorial Fund	5,250.00
Daniel M. Galbreath Scholarship Fund	10,019.00
Augustine Milton Gay Scholarship Fund	5,056.44
Emerson Gaylord Scholarship Fund	8,000.00
Henry W. Giese Memorial Scholarship Fund	20,004.48
Jubal C. Gleason 1863 Scholarship Fund	10,000.00
Henry Hill Goodell Class of 1862 Scholarship Fund	2,000.00
Harry P. Greeley Scholarship Fund	15,256.06
Greene Scholarship	1,000.00
Greenfield Foundation	1,500.00
The Henry Gridley Scholarship of the Class of 1862	2,060.49
Vernon P. Gilbert Memorial Scholarship Fund	467,163.04
Estate of William O. Gilbert	113,486.38
Thomas Hale Scholarship Fund	1,000.00
George A. Hall Scholarship Fund	5,000.00
William Hilton Scholarship Fund	50,000.00
Hitchcock Scholarship Endowment	11,270.00
George Frisbie Hoar Fund	1,000.00
Clarissa Dodge Howard Scholarship Fund	10,000.00
William R. Howard Scholarship Fund	5,000.00
The Hubshman Foundation Scholarship Fund	34,240.00
John Montgomery Hunter Scholarship Fund	28,751.86
Mary W. Hyde Scholarship Fund	1,000.00
Sarah B. Hyde Scholarship Fund	1,000.00
Infirmay Aid Fund	2,100.00
A. F. Johnson Memorial Scholarship Fund	1,476.00
A. J. Johnson Scholarship Fund of the Class of 1823	1,046.40
Victor S. Johnson Student Loan Fund	11,435.00
Edward P. Judd Memorial Scholarship Fund	15,492.00
Estate Sarah M. Kaemmerling	15,713.00
Eugene Kimball Scholarship Fund	2,000.00
John C. Kimball Scholarship	1,000.00

Estate of John H. Klingenfeld	\$ 5 000.00
Knowles Scholarship Fund	3,000.00
Payne P. Larsen, in memory of Frederick B. Richardson . .	5,335.83
Andrew D. Lawrie Scholarship Fund	102,085.54
H. H. Liedtke & W. C. Liedtke	9,000.00
Henry Lobdell Scholarship Fund	2,000.00
George Long Memorial Scholarship Fund	755.00
Ludington Scholarship Fund	100,000.00
Charlotte Procknow McClelland Fund	500.00
George W. McFadden, Jr. Scholarship Fund	5,554.97
McKinney Fund	397,825.58
Francis J. Marsh Memorial Fund	5,000.00
Charles Merriam Scholarship	2,415.00
Charles E. Merrill Scholarship Fund	28,000.00
Charles Morton Merrill Fund	100,000.00
J. C. B. Miller Scholarship Fund	1,000.00
Moore Beneficiary Fund	46,268.37
Charles F. Morse Scholarship Fund	225.00
Anson Daniel Morse Memorial Scholarship Fund	2,500.00
C. L. Morse Scholarship Fund	2,000.00
George A. Morse Memorial Scholarship Fund	46,758.51
Harold Ely Morse Memorial Scholarship Fund	2,500.00
J. C. Newton Scholarship Fund	1,230.00
Mabel H. Norton Scholarship Fund	500.00
LaVerne Noyes Foundation	60,630.09
Newton Scholarship Fund	1,000.00
Edward H. Perkins Jr. Scholarship Fund	5,000.00
Persian Scholarship Fund	2,082.85
Asa Clinton Pierce Scholarship Fund	5,000.00
Theodore B. Plimpton Scholarship Fund	12,989.59
George D. Pratt Scholarship Fund	49,462.50
President's Loan Fund	15,000.00
Reed Scholarships	2,500.00
George Milton Reed Scholarship Fund	5,056.11
Emily B. Ripley Scholarship Fund	1,000.00
S. Robinson Scholarship Fund	3,000.00
E. Russell Scholarship Fund	8,000.00
Lowell Russell Scholarship Fund	1,041.94
John E. Sanford Class of 1851 Scholarship Fund	10,000.00
Schroeder Memorial Fund	22,675.00
James S. Seymour Scholarship Fund	5,000.00
Estate of Mary Shores	8,000.00
Addison Henry Smith Scholarship Fund	11,227.95
Andrew Baird Simpson Scholarship Fund	5,000.00
Ellis R. Smith Scholarship Fund	500.00
Harry deForest Smith Scholarship Fund	5,316.76

Isaac F. Smith Student Loan Fund.....	\$	19,577.22
Luther Ely Smith Memorial Fund.....		12,967.35
Wells Southworth—Class of 1822 Scholarship Fund.....		1,280.00
Special Endowment Fund No. 2.....		25,000.00
Charles J. Staples Memorial.....		25,000.00
Harold Parker Stevens Fund.....		32,964.17
Caleb Stimson Fund.....		19,900.00
Stone Educational Fund.....		25,000.00
Frederic N. Stone Scholarship Fund.....		4,924.17
Harlan F. Stone Memorial Scholarship Fund.....		35,000.00
Henry E. Storrs Scholarship Fund.....		5,000.00
Charles Snow Thayer Scholarship Fund.....		1,000.00
L. H. Thayer Scholarship Fund.....		5,000.00
Estate of Etta B. Thompson.....		298,394.66
Samuel Trull '45.....		2,089.38
Elizabeth W. McCormick Tucker Scholarship Fund.....		1,000.00
Bessy Tucker Scholarship Fund.....		13,344.48
Quincy Tufts Scholarship Fund.....		2,000.00
Sarah Tuttle Scholarship Fund.....		1,042.00
W. S. Tyler of the Class of 1830 Fund.....		1,000.00
George H. Watson Memorial Fund.....		62,705.79
Edwin P. Wells Scholarship Fund.....		32,295.43
Whitcomb Scholarship Fund.....		12,000.00
Donald G. White Jr. Memorial Fund.....		5,123.00
Henry Kirke White Scholarship Fund.....		3,500.00
Herbert Otis White Scholarship Funds.....		12,000.00
Whitehall Foundation, Inc.....		1,000.00
Estate of Herbert P. Whitney '98.....		500.00
Elmer W. Wiggins Fund.....		136,969.18
Harry Wilbur Scholarship Fund.....		5,000.00
David Winslow Scholarship Fund.....		200.00
Henry Lawrence Wilkinson Memorial Fund.....		5,000.00
The Williams Scholarship Fund.....		257.80
Eugene F. Williams Scholarship Fund.....		25,320.00
Worcester Scholarship Fund.....		5,000.00

\$4,093,777.65

Index

Index

- Administration 39
 - Attendance 39
 - Health 40
 - Occupational guidance 42
 - Records and reports 40
 - Rooms and board 40
 - Student discipline 39
 - Terms and vacations 39
- Admission 35
 - Advancement Placement 36
 - Application for 35
 - Cooperative Engineering program 38
 - Examinations 37
 - From other colleges 37
 - Interview hours 35
 - Regents examinations 37
- Alumni Associations 207
 - Central and far western 215
 - Eastern and southern 213
 - Foreign 217
- Alumni Council 209
 - Association representatives 211
 - Class representatives 210
 - Members at large 212
- American Studies 60
- Amherst College 26
- Amherst College Library 24
- Amherst curriculum 50
- Amherst, residents of 47
- Anthropology 64
- Application fee 35
- Asian and African Studies 64
- Assistants 19
- Associate 19
- Astronomy 65
- Attendance 39
-
- Bachelor of Arts 48
- Beneficiary aid 45
- Bills, payment of 43
- Biology 67
- Biophysics 70
- Board 40
- Bond Fifteen 148
-
- Calendar 4
- Chemistry 70
-
- Classics 73
- College Board tests 37
- College calendar 5
- Committees of the corporation 7
- Committees of the faculty 19
- Comprehensive fee 43
- Contents 3
- Cooperative Doctor of Philosophy 53
- Cooperative Engineering Science program 38
- Corporation of the College 6
- Course descriptions 57
 - Independent Reading 59
- American Studies 60
- Anthropology 64
- Asian and African Studies 64
- Astronomy 65
- Biology 67
- Biophysics 70
- Chemistry 70
- Classics 73
- Dramatic Arts 77
- Economics 78
- Education 82
- English 83
- Fine Arts 87
- French 90
- Geology 94
- German 97
- Greek 74
- History 101
- Humanities 109
- Italian 109
- Latin 75
- Legal Studies 110
- Mathematics 111
- Music 114
- Philosophy 117
- Physical Education 121
- Physics 122
- Political Science 125
- Psychology 130
- Public Speaking 132
- Religion 133
- Russian 136
- Science 137
- Spanish 139
- Curriculum, the Amherst 50

- Degree fee 44
- Degrees 48
 - Bachelor of Arts 48
 - Conferred, 167
 - Cooperative Doctor of Philosophy 53
 - Honorary 176
 - Master of Arts 53
 - With honors 51
- Delta Sigma Rho 148
- Discipline 39
- Dormitory room 40
- Doshisha University, 31
- Dramatic Arts 77

- Economics 78
- Education 82
- English 83
- Enrollment 179
 - Summary of 205
- Expenses 43

- Faculty 8
- Faculty committees 19
- Faculty Statement on Intellectual Responsibility 54
- Fees 43
- Fellows 22
- Fellowships 149
- Financial Aid 45
- Financial Aid Booklet 47
- Fine Arts 87
- Folger Shakespeare Library 30
 - Officers 31
- Four College Courses 54
- Four College Cooperation 29, 54
- French 90

- General information 26
- Geology 94
- German 97
- Greek 74
- Guarantee deposit 44
- Guidance and Placement 42

- Health 40
- Health fee 41, 44
- History 101
- Hitchcock Memorial Room 25
- Honorary degrees 176

- Honors 146
 - Bond Fifteen 148
 - Degree with 51
 - Delta Sigma Rho 148
 - Phi Beta Kappa 146
 - Sigma Xi 147
- Humanities 109

- Independent Reading Courses 59
- Instruction, courses of 57
- Intercollegiate athletics fee 43
- Italian 109

- Kirby Memorial Theatre 24

- Language requirements 49
- Latin 75
- Lectureships 145
- Legal Studies 110
- Loan funds 45, 47

- Mabel Loomis Todd Forest 25
- Master of Arts 53
- Mathematics 111
- Medal for Eminent Service 176
- Medical care 40
- Mead Art Building 24
- Music 114

- Occupational guidance 42
- Officers of administration 20

- Payment of bills 43
- Phi Beta Kappa 146
- Philosophy 117
- Physical Education 121
- Physics 122
- Political Science 125
- Pratt Geology Museum 25
- Presidents of Amherst 29
- Prizes and awards 155
 - American Studies 155
 - Art 155
 - Astronomy 159
 - Biology 155
 - Chemistry 155
 - Citizenship 162
 - Dramatics 156

- Economics 156
- English 157
- Fine Arts 158
- Geology 155
- Greek 158
- Journalism 158
- Latin 159
- Mathematics 159
- Medicine 155
- Miscellaneous 165
- Music 160
- Philosophy 160
- Physical Education 161
- Physics 159
- Political Science 161
- Public Speaking 161
- Religion 160
- Scholarship 162
- Psychology 130
- Public Speaking 132
- Records and reports 40
- Regents examinations 37
- Regulations 39
- Religion 134
- Religious Advisors 25
- Requirements for degrees 48
- Residents of Amherst 47
- Rooms 40
- Russian 136
- Scholarships 45
- Scholarship funds 221
- Science 137
- Sigma Xi 147
- Snell Museum of Physics 25
- Society of the Alumni 209
- Spanish 139
- Student activities tax 44
- Student discipline 39
- Student Health 40
- Student loan funds 45, 47
- Summary of enrollment 205
- Summary of expenses 43
- Terms and vacations 39
- Transfer students 37
- Trustees 6
- Tuition and fees 43
 - Residents of Amherst 47
- Vacations 5, 39
- Wildlife Sanctuary 25



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